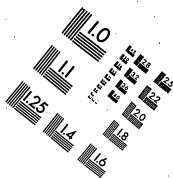
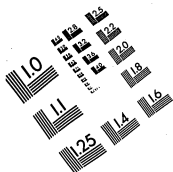




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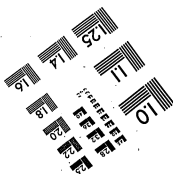
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Thomas A Edison Papers

A SELECTIVE MICROFILM EDITION

PART II (1879-1886)

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University Publications of America
Frederick, Maryland
1987

Edison signature used with permission of McGraw-Edison Company.

**Thomas A. Edison Papers
at
Rutgers, The State University
endorsed by
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18 June 1981**

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START

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THOMAS A. EDISON PAPERS
A SELECTIVE MICROFILM EDITION
PART II
(1879-1886)

REEL 73

DOCUMENT FILE SERIES (DOC-33)

D-84-023 through D-84-035
("Electric Light - Babcock & Wilcox" through
"Electric Light - Foreign - Chile")

1884. Electric Light - Babcock & Wilcox (D-84-023)

This folder contains correspondence relating to Edison's dealings with Babcock & Wilcox, manufacturer of boilers for Edison central stations. Much of the correspondence is by Nat W. Pratt, treasurer of the company.

All the documents have been filmed.

Address all Communications to the Company.

1884-01-24

The Babcock & Wilcox Co.
Patent Water-Tube Steam Boilers,
30 Cortlandt Street,

New York,

Jan 24th 1884

Mr. A. Edison,

65 5th Ave. N.Y.

Dear Sir Your of
the 21st is received, the
difficulty you speak of
has been remedied in the
casting for heat.

Yours truly,
The Babcock & Wilcox Co.

Address all Communications to the Company.

The Babcock & Wilcox Co.
Patent Water-Tube Steam Boilers,
30 Cortlandt Street,

New York, *Feb 2nd* 1884

Nasir Edison
65 5th Ave

Dear Sir

We enclose statement
of balance to Feb 1st
Although the largest
portion of this became due
at different times during Jan.,
we have not heard from you
in regard to same. We do
not like an agreement which
binds only one party, and must
request its attention to this matter

Yours truly
The Babcock & Wilcox Co.

Address all Communications to the Company.

The Babcock & Wilcox Co.
Patent Water-Tube Steam Boilers,

30 Cortlandt Street,

New York, Sept. 9th 1884

Mr. A. Edison

65 Fifth Ave N.Y.

Dear Sir When a
blast box is ordered with
a boiler we will make
no extra charge to you.

When ordered after the
boilers are delivered the
price is \$1200 for single &
\$1500 for double fronts

Yours truly
The Babcock & Wilcox Co.

This was addressed
to Mr. Edison

BRANCH OFFICES:

CHICAGO,
66 1/2 Canal St.
BOSTON,
50 Oliver St.
PHILADELPHIA,
32 N. 5th St.
PITTSBURGH,
11 1/2 S. 3rd St.
CINCINNATI,
64 West 3rd St.

Genl. H. B. Parker, Pres.
L. Wilson, Secy.



Genl. H. B. Parker, Pres.
L. Wilson, Secy.

BRANCH OFFICES:

ST. LOUIS,
707 Market St.
NEW ORLEANS,
60 Carondelet St.
SAN FRANCISCO,
515 Mission St.
HAVANA, CUBA,
60 San Ignacio.

New York Feb. 16th 1884

Thos. A. Edison, Esq.
65 5th Ave. City.

Dear Sir:-

The International Electrical Exhibition Managers are writing us about boilers for their coming exhibition. We have made them offers to put in boilers on very favorable terms but they have not seen fit as yet to accept our proposition. Are you going to exhibit, and, if so, can't you put in a good word for us in such a way that it will help us secure the order? We don't expect to sell the boilers outright, but are willing to exhibit for a sum of money equal to the amount the boilers depreciate in running. We are very sure you could help us in this if you would kindly do so.

Yours truly,
The Babcock & Wilcox Co.

W. H. B. Parker

BRANCH OFFICES.

CHICAGO,
64 1/2 Canal St.
BOSTON,
50 Oliver St.
PHILADELPHIA,
32 N. 5th St.
PITTSBURGH,
21 1/2 4th Avenue.
CINCINNATI,
64 West 3rd St.

Genl. H. Bullock, Pres.
L. Wilson, V. Pres.



Anti H. Bullock, Pres.
G. H. Bennett, Sec.

BRANCH OFFICES.

ST. LOUIS,
717 Market St.
NEW ORLEANS,
60 Canal St.
SAN FRANCISCO,
315 Mission St.
HAVANA, CUBA,
50 San Juan St.

New York Feb. 22, 1884

Thos. A. Edison, Esq. (Construction Dep't)
65 5th Avenue, N.Y. City.

Dear Sir:-

Please send us your check for \$4,230.62, the amount due on various boilers purchased by you.

At the time arrangements were made with you in regard to the general use of our boilers in connection with your Electric Lighting plants we entered into an agreement making special price with a supplementary draw-back on our side, while you were to pay at certain times. We are sorry to say that this agreement has not been filled on your side. The last financial talk the writer had in regard to the matter was with your Mr. Insull, who was just then leaving for Europe. He said that on his return he would look into the matter and straighten it up, and we made concessions to tide over the period of Mr. Insull's absence. We are greatly in need of funds and would thank you very much to send us a check for the above mentioned amount. In order to secure the drawback mentioned in our agreement we shall have to insist on prompt payments as all our goods are bought for cash price and our list price is based on selling for the same.

Hoping to hear from you at a very early date, we are

Yours very truly,

The Barbock & Wilcox Co.

W. A. Pratt

THE BABCOCK & WILCOX CO.,

FW
Builders of Patent Water-Tube Steam Boilers,
No. 30 Cortlandt Street,

New York, *Feb. 28, 1884*

S. M. Edison, Esq.

65 Fifth Ave.

Am. S.

N. Y. C.

Please accept our

acknowledgements for your favor of the *date* _____

covering *your* two notes, viz: One at 1 Mo.
Feb. 28/84, and one at 2 Mo. *Feb. 28/84* for
Twenty One Hundred Fifty + $\frac{3}{4}$ Dollars
Each, and the same have been
credited your acct

Yours Truly,

The Babcock & Wilcox Co.

J. H. Warner

Address all Communications to the Company.

The Babcock & Wilcox Co.
Patent Water-Tube Steam Boilers,
30 Cortlandt Street,

New York, March 13th 1881

Mr. Edison
25 5th Ave N.Y.
Dear Sir I have order
for boiler for High pressure
and would have prompt attention
Thank you from A. Wilson & Co
to attention, &

Yours truly
The Babcock & Wilcox Co.
L

BRANCH OFFICES.

CHICAGO,
614 Michigan St.
BOSTON,
50 River St.
PHILADELPHIA,
22 N. 5th St.
PITTSBURGH,
14 1/2 Wm.
CINCINNATI,
at West 3rd St.

Geo. W. Babcock, Esq.
J. H. Wilcox, Esq.



Geo. W. Babcock, Esq.
J. H. Wilcox, Esq.

BRANCH OFFICES.

ST. LOUIS,
707 Market St.
NEW ORLEANS,
60 Canal St.
SAN FRANCISCO,
105 Mission St.
HAWAII, CUBA,
St. Juan, Pinar

New York March 25th 1884

Edison, Esq.
65 5th Avenue, City.

Dear Sir:-

Yours of March 24th at hand. We will send our Mr. Kent to Fall River at the earliest possible date. Unless some defect exists in the draft, from too small a stack, or something of the kind, there will be no difficulty whatever in proving the boilers will run far beyond their rated capacity with first class economy.

We are sorry to see you are having the same difficulty with Fall River parties which encounter every other concern has ever attempted to do work in that city. We would say to you personally that we would rather sell to any other place in the United States than to Fall River, for the difficulty in collecting bills is more than the profit is worth.

There will be no charge for Mr. Kent's services outside of the travel expense. We will notify you when he can get in at present out of town.

Yours truly,

The Babcock & Wilcox Co.

John H. Wilcox

Address all Communications to the Company.

The Babcock & Wilcox Co.
Patent Water-Tube Steam Boilers,
30 Cortlandt Street,

New York, *March 25* 1884

Mrs. A. Edison.

Const. Dept, 65 5th Ave N.Y.

Dear Sir We enclose

Shipping List for 42 10
water shipped to Piquette

Ohio. Also Invoice for

same but \$1905.00 due

\$1476.25 March 13th

952.50 April 21st

476.25 May 21st

From the last payment
an allowance of \$141.25 will
be made if find as above.

Yours truly,
The Babcock & Wilcox Co.

BRANCH OFFICES.

CHICAGO.
624 W. Belmont St.
BOSTON.
50 Oliver St.
PHILADELPHIA.
127 N. 2nd St.
PITTSBURGH.
54 1/2 Avenue
CINCINNATI.
44 West 12th St.

Charles H. Babcock, Pres.
J. H. Wilcox, Secy.



John H. Pratt, Treas.
J. H. Bennett, Secy.

BRANCH OFFICES.

ST. LOUIS.
207 Market St.
NEW ORLEANS.
67 Canal St.
SAN FRANCISCO.
505 Mission St.
HAWAII, CUBA.
50 San Francisco

New York

March 23rd 1894

To L. H. Pratt, Esq. (Cons. Bureau Dept.)

187 1/2 Ave. C, N.Y.

Dear Sir:

Reference is made to our Cincinnati office which stated that you had been installed. We inform him that they do not intend to be bound by his statement, and among other things are going to get the same output of the Dynamo at the lowest figures they can. Our Cincinnati Office wants to know whether this is so or not. The installation has been asked our Division to get the lowest possible price for the ers, and we should like to know how you stand on the matter before we send it. A prompt answer will oblige.

Yours truly,

The Babcock & Wilcox Co.

*Tell Pratt
He better give
regular price
as we are in a fight
with them*

not our price
W.H.H. 2

BRANCH OFFICES.

CHICAGO,
624 N. Canal St.
BOSTON,
50 Oliver St.
PHILADELPHIA,
24 N. 5th St.
PITTSBURGH,
21 S. 3rd Ave.
CINCINNATI,
64 West 9th St.

Geo. H. Babcock, Pres.
T. Wilson, Secy.



Will M. Pratt, Treas.
C. M. Bennett, Secy.

BRANCH OFFICES.

ST. LOUIS,
777 Market St.
NEW ORLEANS,
44 Canal St.
SAN FRANCISCO,
305 Mission St.
HAVANA, CUBA,
50 San Ignacio

New York, April 1st 1894

Mr. J. H. Babcock, Pres.

Cincinnati, Ohio

Sir,

Yours of the 28th is received and we have given

instructions to our Cincinnati office to per your request.

Yours truly,

The Babcock & Wilcox Co.

W. M. Pratt

BRANCH OFFICES.

CHICAGO.
64 1/2 Canal St.
BOSTON.
50 Oliver St.
PHILADELPHIA.
119 N. 5th St.
PITTSBURGH.
91 1/2 Avenue
CINCINNATI.
64 Third St.

South Dubuque, Ill.
St. Albans, Vt.



San Francisco, Cal.
St. Louis, Mo.

BRANCH OFFICES.

ST. LOUIS.
207 Market St.
NEW ORLEANS.
60 Carondelet St.
SAN FRANCISCO.
505 Mission St.
HAVANA, CUBA.
50 San Juan St.

New York. April 5th 1884.

Sam'l Russell, Esq.

65 5th Ave., N.Y. City.

Dear Sir:-

Enclosed we have you schedule showing sizes of
~~these~~ and thicknesses of steel that we would recommend for our dif-
~~ferent~~ sizes of boilers by making a great many more sizes of steels
 some of these ~~could~~ could be reduced in diameter, but we do not
 believe in having too many things to furnish as we have ~~the~~
 right amount of ~~steel~~ steel.

Yours truly,

The Babcock & Wilcox Co.

Sam'l V. Pratt

BRANCH OFFICES.

CHICAGO.
625 N. Canal St.
BOSTON.
50 Oliver St.
PHILADELPHIA.
227 N. 5th St.
PITTSBURGH.
51 1/2 S. Avenue
CINCINNATI.
64 West 3rd St.

George H. Babcock, Esq.
T. Wilson, Esq.



Sam'l H. Pratt, Esq.
E. M. Bennett, Esq.

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ST. LOUIS.
707 Market St.
NEW ORLEANS.
60 Carondelet St.
SAN FRANCISCO.
505 Mission St.
HAVANA, CUBA.
50 San Ignacio

New York. April 7th 1884

Sam'l Small, Esq.
65 5th Avenue, City.

Dear Sir:-

Yours of April 4th at hand. This morning, however, we received from our Cincinnati Office an order from Mr. Stuart for our boilers at full price; of course we cannot go back of this. Our Cincinnati Office writes us they judged Mr. Stuart had made some arrangement with the Arlington & Sims Company and was going to put in their engines. Do you know anything about this?

Yours truly,

The Babcock & Wilcox Co.

Sam'l H. Pratt

4

BRANCH OFFICES,
CHICAGO.

65 W. Canal St.

BOSTON,

57 W. 1st St.

PHILADELPHIA,

37 N. 5th St.

PITTSBURGH,

114 4th Avenue

CINCINNATI,

64 West 3rd St.

George H. Dulbeck, Pres.
J. Wilson, Secy.



Wm. H. Pratt, Pres.
E. H. Bennett, Secy.

BRANCH OFFICES,

ST. LOUIS,

277 Market St.

NEW ORLEANS,

60 Carondelet St.

SAN FRANCISCO,

505 Mission St.

HAWAII, CUBA,

50 San Juan St.

New York, April 25th 1884.

T.A. Edison Construction Dept.

65 5th Ave., N.Y. City.

Gentlemen:-

In answer to your favor of the 23rd in relation to the boiler now in Piqua, Ohio, would say that we have sent word to our Western Agents in Chicago, Cincinnati and Pittsburgh telling them that now a boiler was out there and could be had at list price and to make that amount of freight to their customers. This is the best arrangement we can make of it at present. Will see what they can do for you.

Yours truly,

The Babcock & Wilcox Co.

Wm. H. Pratt

Enclosed for you are two copies of the circular which we have just issued. It contains full particulars of our various styles of boilers and the advantages of our system. It is a very valuable paper and we think you will find it of great interest. We have also enclosed a copy of the circular which we have just issued to our agents in the West. It contains full particulars of our various styles of boilers and the advantages of our system. It is a very valuable paper and we think you will find it of great interest.

BRANCH OFFICES.

CHICAGO,
644 N. Canal St.
BOSTON,
50 Oliver St.
PHILADELPHIA,
32 N. 2^d St.
PITTSBURGH,
91 S. 4th Avenue.

Grand Central Pass.
J. M. H. H. H. H.



Int. M. Pacific Trans.
C. M. H. H. H. H.

BRANCH OFFICES.

NEW ORLEANS,
614 Poydras St.
SAN FRANCISCO,
315 Mission St.
HAVANA, CUBA,
50 San Juan St.

New York. Apr. 29th 1874.

J. H. Edison

Construction Department

65-57th Ave N.Y. City.
Gentlemen.

Yours of even date at hand. Our Mr. Kent's statement was that their stack was not high enough to burn the kind of fuel that they were using to good advantage, and we would further state, that to the best of our belief any fine fuel can not be burned to advantage without the use of a blower.

Yours truly,
The B. & W. Co.
J. M. H. H. H. H.

THE BABCOCK & WILCOX CO.
No. 30 Cortlandt Street,
New York.

New York, May 7th 1884

S. Insull, Esq.


65 5th Ave. City.

Dear Sir:-

Enclosed we send you copy of letter sent this
day to the Fall River Edison Company.

Yours truly,

The Babcock & Wilcox Co.

A handwritten signature in dark ink, appearing to read "W. M. Hall", is written over a horizontal line.

BRANCH OFFICES,

CHICAGO,
605 W. Canal St.
BOSTON,
50 Oliver St.
PHILADELPHIA,
322 N. 5th St.
PITTSBURGH,
214 1/2 Penna.
CINCINNATI,
604 Third St.

Genl. H. Deland, Pres.
T. Nelson, Secy.



Genl. H. Deland, Pres.
T. Nelson, Secy.

BRANCH OFFICES,

ST. LOUIS,
207 Market St.
NEW ORLEANS,
601 Carondelet St.
SAN FRANCISCO,
505 Mission St.
HAWAII, CUBA,
100 San Agustin.

New York May 7th 1892

Edison Electric Illuminating Co.

Pall River, Mass.

Gentlemen:-

Your favor of the 5th at hand. The suggestions contained in Mr. Kent's report to the Edison Construction Company were substantially that for the quality and size of coal you were attempting to burn it would be impossible to get first class results by natural draft. In this connection will may we have large batteries of boilers around New York City and elsewhere using small coal running on forced draft and it is found by actual experiments that it is cheaper to run a blower and use soft coal than it is to fire the boilers with any size coal and run with natural draft. The secret of this difference lies in the fact that with natural draft a very large amount of air in excess of that required for perfect combustion has to be passed through the fuel and the loss is represented by the increased volume thrown away at the stack temperature. This ordinarily amounts to from 70 to 100 per cent more air than is necessary to furnish oxygen for combustion. By carrying a thicker fire and running a blower the amount of air furnished in excess can be reduced to 15 per cent and more than enough saving made to pay for running the blower, besides the advantages of burning a cheaper class of fuel and having steam always at your call.

The probability is, from what we know of your case, that if you would shut off one boiler entirely, use a blower, and burn the whole of the coal you are now consuming under one boiler, you would get much better results than you are now getting. The New York Steam Company, whose business it is to furnish steam to customers all over New York City, are running our boilers with fine coal, using blowers, and find this the most economical way of doing. To our mind you a fireman who will get a good deal more than the rated capacity out of your boiler, whether or not it will be able to run your plant is another question. Our boilers are sold on a rating of 30 lbs. of water evaporated per horse power per hour from feed

[ENCLOSURE]

THE BABCOCK & WILCOX CO.
No. 30 Cortland Street,
New York.

E.E.I.Co. 2

at 312 degrees into steam at 70 lbs. pressure. This with a good
Armington & Sims' engine (and we know of no better) proportionately
to the amount of work to be done will give very much more in a
horse power. This rating is what is known as the Continental Stand-
ard for boiler horse power, and it has been generally accepted by
boiler makers and buyers all over the country. To have or many
economists got over a hundred per cent above the rated capacity out
of our boilers, using fine coal, the economy still being fair,
though of course nothing like what it is when running at capacity.
The heating surfaces of our boilers all being thin and so joint
in the fire, it is possible to get much more out of the heating
surface than is any of the ordinary make of boilers.

If you are running a large engine for a small amount of power
it will undoubtedly cost you more per horse power than it will
if our engine is running full power, as the amount of cylinder
condensation is greater and smaller the power developed. You can
certainly depend upon us to cooperate to any extent in making the
boilers give their rated horse power, but we will say emphatically
that it is impossible to burn fine pea coal satisfactorily with
natural draft. It is a thing we gave up attempting long ago, and
if we were to put down a plant out of which we had guaranteed the
very best economy we should every time put in a blower and engine
so that the oxygen for combustion could be just as much under our
control as the carbon. This is absolutely necessary for good
economical working.

Yours truly,
The Babcock & Wilcox Co.

BRANCH OFFICES.

CHICAGO,
448 W. Belmont St.
BOSTON,
50 N. River St.
PHILADELPHIA,
33 N. 16th St.
PITTSBURGH,
114 S. 3rd St.
CINCINNATI,
64 West 3rd St.

Geo. W. Babcock, Pres.
T. Wilcox, V. Pres.



Wm. H. Smith, Treas.
E. H. Bennett, Sec.

BRANCH OFFICES.

ST. LOUIS,
207 Market St.
NEW ORLEANS,
417 Carondelet St.
SAN FRANCISCO,
305 Mission St.
HAVANA, CUBA,
616 San Ignacio.

New York

May 9th 1904

T.A. Edison Construction Co.

65 5th Ave. City.

Gentlemen:-

Yours of the 8th at hand. Would call your attention to ours of Mch. 25th, in which we say, "Please find enclosed shipping list for 92 H.P. boiler to Piqua, Ohio. Also invoice for same amounting to \$1905. Due:

\$476.25 March 13th.
952.50 April 21st.
\$476.25 May 21st.

The letter continues by saying: "On last payment an allowance of \$141.25 will be made if paid as above."

You handed us check for the full amount the 1st of this month, but we would like to call your attention to the fact that payments were not made as per agreement. There should be some systematic arrangement between us so that we may know where we stand. Reductions made to the Construction Department were based on payments at certain times and we think it is no more than fair we should call your attention to the fact that these payments have not been made as per agreement. The contract should be as binding on one party as on the other and if the contract as drawn cannot be lived up to on either side we think that some new arrangement should be made.

On account of your having paid the full amount the 1st of May instead of the last we enclose you check for the allowance.

Yours truly,

The Babcock & Wilcox Co.

Wm. H. Smith

THE BABCOCK & WILCOX CO.,

Builders of Patent Water-Tube Steam Boilers,

No. 30 Cortlandt Street,

New York, May 12, 1884

J. M. Edison Esq.

No. 65 - 5th Ave

Dear Sir:

J. M. C.

Enclosed, please find our Check,
No. 1798, on the Chatham National Bank, New York,
to your order, for One Hundred, Forty One & Two
Dollars, in settlement for allowance on Piqua
Order.

Please by signing and return of
this receipt herewith for first mail.

Yours Truly,

J. M. C.

J. M. C.

BRANCH OFFICES,
CHICAGO,
604 1/2 Canal St.
BOSTON,
50 1/2 River St.
PHILADELPHIA,
32 1/2 N. 5th St.
PITTSBURGH,
11 1/2 S. 3rd St.
CINCINNATI,
64 1/2 Main St.

George H. Babcock, Pres.
T. Wilcox, V. Pres.



Wm. H. Smith, Treas.
E. H. Bennett, Secy.

BRANCH OFFICES,
ST. LOUIS,
207 Market St.
NEW ORLEANS,
60 1/2 Canal St.
SAN FRANCISCO,
50 1/2 Mission St.
HAWAII, CUBA,
50 1/2 San Juan St.

New York

June 23, 1884

T. A. Edison, Esq.

65 5th Ave. City.

Dear Sir:—

We are in receipt of your favor of the 21st enclosing order for delivery of boiler to us at Piqua, Ohio. Shall immediately order the boiler forward. We have been trying for some time to work this boiler off your hands, but this is the first opportunity.

Yours truly,

The Babcock & Wilcox Co.

Wm. H. Smith

Address all Communications to the Company.

The Babcock & Wilcox Co.
Patent Water-Tube Steam Boilers,
30 Cortlandt Street,

New York, July 3rd 1884

Wm A Edison
65 Fifth Ave. N.Y.
Dear Sir We enclose
bill for 18836 dows "short
on St. R. Baiter at Piqua. The
one sent with boiler was
used in base of chimney.
Also for expenses of man to
Piqua & loading boiler, as sent
from our Chicago office. who write
"Found none of Edisons men there, no"
"ship, but found no one that knew any"
"thing about boiler or that would"
"load same. Is our man hired"
"men & loaded & shipped it. The"
"boiler before & all laying out"
"dows. All marks gone from same"

Address all Communications to the Company.

The Babcock & Wilcox Co.
Patent Water-Tube Steam Boilers,
30 Cortlandt Street,

New York, _____ 188

"and until it is put up, boxes"
"are opened, we can not tell if"
"anything more than flue door"
"is missing"
"Your memo's bill for"
"flute \$1241.50 is to hand &
"will remit for same early"
"next week"

Yours truly,
The Babcock & Wilcox Co.
K

1884. Electric Light - Bergmann & Company (D-84-024)

This folder contains correspondence and other documents relating to the business of Bergmann & Company, New York City. The company produced electric lighting fixtures, sockets, and other devices used with the Edison system of electric lighting.

Approximately 50 percent of the documents have been filmed. Routine correspondence relating to accounts, bills, orders, and shipments of goods has not been filmed.

1884-01-02

BERGMANN & CO.
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF
FIXTURES AND APPLIANCES
FOR THE
EDISON ELECTRIC LIGHT.

Nos. 292 TO 298 AVENUE B.

New York, *May 2 1884*

*An Edison
Ltr to Fifth Ave*

*Sir Do you keep "L'Electicien" on file &
have you the April 1883 Number. Please
let me know at your earliest convenience.*

Cordially

Bergmann & Co

*We probably have them
all — Edison*

BERGMANN & CO.

109-112 WOODSTOCK STREET,
(BY APPOINTMENT.)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES & SPECIALTY.

New York, May 2 1884

REMOVED TO
COR. 12th & 13th Sts.

Constr Dept

Should be made
sold for 15
dollar can
it be done?

Dear Sir

In reply to your inclosing letter from
Manager of Shamokin Co. asking informa-
tion concerning the sizes & prices of motors
we would say that we make a motor
1/4 H.P. the price of which from us is \$35.00
and also a Sewing Machine Motor
(about 1/8 H.P.) the price of which from
us is \$30.00. This price does not contemplate
the payment of any royalties on our part
however, and we do not know under what
rule they are to be sold to any other
than the Edison Company. We have
endeavored several times to get informa-
tion & have addressed both Mayor
Eaton & Mr. Hutchinson on the subject.
We have however had no reply or
instructions. Perhaps you can give us
the necessary information. Will you please
see what can be learned on the subject.

Very truly Yours

Bergmann & Co.

My E - please with aff. mail letter so to Co can
furnish on license of same power as per
aff. mail us -

BERGMANN & CO.

1883-02-03

100-112 WOODBURY STREET,
(BY APPOINTMENT.)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES & SPECIALTY.

REMOVED TO
COR. 174th ST. & AVE. B.

New York, May 3 1884

Edison

Court Dept

Sir

We have written the Lamp Co
that the Indicator Lamps received
are defective asking them to exchange
them. If you can do anything to
hurry them, it will be well

Yours truly

Bergmann & Co

Upton

These Lamps were watched & not
according to order the Centers
were not so well insulated
with Rubber tubing & better
socketed they twist &

BERGMANN & CO.

1884-04-05

108-112 WOODBURY STREET.

(BY APPOINTMENT.)

MANUFACTURERS OF EDISON'S INVENTIONS,
EDISON'S ELECTRIC LIGHT APPLIANCES A SPECIALTY.

REMOVED TO
COR. 17th ST. & AVE. B.

New York, May 5 1884

W. A. Edison
Counter Dept

Sir
In reply to yours of 3^d inst re-
ferring to the Meter balance sent
to Jiffin would say that we received
the same from Lawrence packed &
forwarded it in the same condition &c.
without opening.

Yours truly
Bergmann & Co.

uh ha! - bad packing
at Lawrence - How did it
get there {

BERGMANN & CO.
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF
FIXTURES AND APPLIANCES
FOR THE
EDISON ELECTRIC LIGHT.

Nos. 292 TO 298 AVENUE B.

1884-01-07

New York, Jan 7 1884
Edison Constr Dept

Dear Sir

Yours of 4th inst referring
to motors received - We cannot
do better on price of motors till the
demand for same shall increase
considerably over what it is at
present

Yours truly
Dynamite Co.

There seems to be a
great difference between the
 $\frac{1}{4}$ hp & the Sewing motor,

E

BERGMANN & CO.
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF
FIXTURES AND APPLIANCES
FOR THE
EDISON ELECTRIC LIGHT.

Nos. 292 TO 298 AVENUE B.

1884-01-09

New York, Aug 8 1884

W Edison Esq
65 Fifth Ave
Dear Sir

We beg to refer the inclosed
letter from The Western Edison L Co
inquiring about Motors to you for
reply & we have written Mr Polier
that we can do so

Yours truly

Bergmann & Co
K

Write & say that we are so
crowded to supply light fixtures
that can't go into motors
just yet E

BERGMANN & CO.
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF
FIXTURES AND APPLIANCES
FOR THE
EDISON ELECTRIC LIGHT.

Nos. 292 TO 298 AVENUE B.

1884-01-08

New York, Jan 8 1884

Waldron Conato Dept
Gentlemen We have in stock 1000
lbs Sulphate of Zinc. Will you
please send us your order for same
Sincerely
Yours Truly
Bergmann & Co

quitting to the
Rieschle Campbell
for reference

BERGMANN & CO.
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF
FIXTURES AND APPLIANCES
FOR THE
EDISON ELECTRIC LIGHT.

NO. 292 TO 298 AVENUE B.

1874-01-09

New York, Jan 9 1884

My Dear Edison

Yours of yesterday is received.
I can assure you that I have done
all in my power to hurry out your order
short of working nights but I am doing that
now and shall continue till your orders
are completed.

We have been behind on Ampere
meters and meters. The trouble with meters
has been that our glass men and tin case
makers have simply been fooling me but
we have them now and I can safely
promise to deliver your station as fol-
"Tiffin" will be completed today.

"McCormick" Next Friday.

"Stagleton" On Saturday

"Belleville & Middletown" Next Wednesday
one week from today.

"Pequa and Newburg" on the 19th inst -

You can therefore depend on having all your
orders now in. completed within 10 days
from date.

I would only add that it would also
facilitate matters if the orders themselves
were made out more clearly. Most of
the appliances are illustrated in our

1884-01-09

BERGMANN & CO. ELECTRICAL WORKS,

SOLE MANUFACTURERS OF
FIXTURES AND APPLIANCES
FOR THE
EDISON ELECTRIC LIGHT.

Nos. 292 TO 298 AVENUE B.

New York,

188

supplementary catalogue, and these
could be ordered from their numbers.
This would save us a good deal of trouble.
"Amperes Meters" I have been at
Gorrick Street myself about these
and the excuse for delay in getting
them out there is that they "have
no machine". Something ought to be
done about this.

I will get out all my part of
the work but cannot promise
the Amperes Meters unless
I can get them back promptly
from Gorrick Street. We will work
every night till your orders are
completed.

Yours truly

Bergmann
K

1884-01-16

BERGMANN & CO.
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF
FIXTURES AND APPLIANCES
FOR THE
EDISON ELECTRIC LIGHT.

Nos. 292 TO 298 AVENUE B.

New York, *July 1 1884*

J. M. Edison

*65 Fifth Ave -
N.Y.*

Dear Sir Will you kindly get us a special
report as complete as possible on the
"Kerner Burglar Alarm Co of Boston Mass"
at your earliest convenience I oblige

Yours truly
Bergmann & Co
K

E

BERGMANN & CO.
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF

FIXTURES AND APPLIANCES

EDISON ELECTRIC LIGHT.

Nos. 292 TO 298 AVENUE B.

1884-01-16

New York Jan 16 1884

Mr Edison Consty Dept
Dear Sir

Yours of 16th just received. Trouble with Safety Catch holders at Tiffin so that they have not rec'd the proper kind of Safety Catches - They should have those with terminals same as the sample which we send you herewith. We have had no order to ship any of these to Tiffin.

The meter bottle short on Fall Run Relations will be forwarded today. Order No 630 goes to day. All lightning arresters and Ampere meters will be completed day after tomorrow - We sent 25 Home service boxes to Fall Run which was all we had order for, but it seems that they need more than they have ordered.

Yours truly
Bergmann & Co

1884-01-17

BERGMANN & CO.,
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF
FIXTURES & APPLIANCES FOR THE EDISON ELECTRIC LIGHT.

NOS. 292 TO 298 AVENUE D.

New York, Jan 17 1884

Edison
Countr Dept

Dear Sir
Mr Wm. M. Brock writes me
under date of Jan 14th as follows
"Mr Andrews wrote Mr Edison
about one week ago requesting one
Voltmeter and fender Safety Catches for
this station. Will you please advise
me upon receipt of this whether
the Indicator & Catches have
been ordered? We will
require 10th Catches & 12 Voltmeters"
Will you kindly reply to
him & oblige
Yours truly
Bergmann & Co.

1894-01-22

BERGMANN & CO.,
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF
FIXTURES & APPLIANCES FOR THE EDISON ELECTRIC LIGHT.

NOS. 229 TO 238 AVENUE D

New York, Jan'y 22, 1894

J A Edison
Circuit Dept
Syrac
Although we
notified you some days
ago that we had now
laid in a stock of Sul-
phate zinc we have
not yet had any order.
We are now going to notify
each station of this fact.
Is that O.K.

Yours truly
Bergmann & Co

1884-01-23

BERGMANN & CO.,
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF

FIXTURES & APPLIANCES FOR THE EDISON ELECTRIC LIGHT.

NOS. 202 TO 206 AVENUE D

New York, Jan 23 1884

D. A. Edison Consts Dept
65 Fifth Ave -

Dear Sir,
Please find inclosed
for 8 Field Equalizers which
we are making under Mr
Edison's direction.

Yours truly,
Bergmann & Co.

Did the order
I gave Sprague
today cover this?

Tate

Cambridge
~~And you~~ make
order for them
Faby

1884-01-24

BERGMANN & CO.,
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF
FIXTURES & APPLIANCES FOR THE EDISON ELECTRIC LIGHT.

NO. 222 TO 228 AVENUE A

New York, Jan 24, 1884

M. J. A. Edison
107 Fifth Ave. N.Y.

Dear Sir,
The return herewith the report as the Kerner P. A. Co. of Boston Mass. - We enclose you a certificate of their stock which we would like to have sent to Bradstreet as a means of assisting them in a still further report. If the Company no longer exists (it certainly did exist) they can perhaps tell what became of it. Please have the certificate returned to us when they have got through with it.

Yours truly
Bergmann & Co.
R

(22).

KERNER ELECTRIC BURGLAR ALARM CO. BOSTON, MASS.

Fail to learn that there is a company of this style located in Boston. R.T. Holmes & Co. of Boston state that a man named Kerner was in the employ of the Holmes Burglar Alarm & Tel. Co.'s New York office but they profess ignorance of his whereabouts and doings and state that they never heard of the Co. inquired for.

March 17, 1884.

550 H

KERNER ELECTRIC BURGLAR ALARM CO.

BOSTON, MASS.

THE STOCK CERTIFICATES OF THIS CONCERN BEAR THE NAMES OF JOHN C. NEW AS PRESIDENT AND JOHN F. SHOREY AS TREASURER. THE FORMER IS SAID TO BE THE WELL KNOWN INDIANA POLITICIAN AND EX-REGISTER OF U.S. TREASURY. SHOREY IS TREASURER OF THE AMHERST HYDRAULIC MOTOR CO. AND IS ALSO CONNECTED WITH THE PURCHASE ST. MACHINE CO. BOTH OF BOSTON. HE IS ALSO SAID TO BE RUNNING THE COLONADE HOTEL, BROOKLINE, MASS. THE BOSTON DIRECTORY ALSO STATES HIM OF SPAULDING GILMAN & CO., STATIONERS BOSTON. REPORTER HAS BEEN UNABLE TO SEE HIM AND IS INFORMED THAT HE DEVOTES HIS TIME ALMOST WHOLLY TO THE BROOKLINE BUSINESS. REGARDING THE KERNER CO. LEARN THAT IT HAS NO KNOWN PLACE OF BUSINESS AND IS DOING NOTHING. ITS STOCK IS UNKNOWN IN THIS MARKET AND THE INVENTION CLAIMED TO BE OWNED BY IT IS SAID TO BE IN USE BY THE HOLMES BURGLAR ALARM CO. OF NEW YORK CITY. WHY THIS IS SO IS NOT CLEARLY UNDERSTOOD. THE INVENTOR MAY BE IN A POSITION TO THROW SOME LIGHT ON THE MATTER AND MAY BE SEEN AT THE OFFICE OF THE KERNER STYLOGRAPHIC PEN CO. NEW YORK CITY.

FeBY. 8TH 1884.

Will enquire further in New York city

1884-01-24

BERGMANN & CO.,
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF

FIXTURES & APPLIANCES FOR THE EDISON ELECTRIC LIGHT.

NO. 202 TO 208 AVENUE C.

New York, *May 24* 1884.

To Edison
Leads in Counter Dept-

Ym 222 mis present - &
contents have our approval -
We purchased the Sulph Zinc
from the Powers & Wrightman Co.
as directed by you & have
had the same tested at
York St. The report is
that it is pure

Yours truly
Bergmann & Co.
K.

1564-01-26

BERGMANN & CO.,
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF
FIXTURES & APPLIANCES FOR THE EDISON ELECTRIC LIGHT,
NOS. 292 TO 298 AVENUE

New York, Aug 26 1884

Wm Edison Constr Dept
N.Y.

Dear Sir In reply to yours of
24th - we would say that
we have no larger than
 $\frac{1}{4}$ H.P. motor in stock
there is one supposed to be about
 $\frac{3}{4}$ H.P. but it is yet in
an experimental state
& we cannot give any
figures or prices on it
yet.

Yours truly
-R. Bergmann & Co

4

1884-05-26

BERGMANN & CO.,
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF

FIXTURES & APPLIANCES FOR THE EDISON ELECTRIC LIGHT.

NOS. 292 TO 298 AVENUE B.

New York May 26 1884

Mr Edison Constr Dept NY
N.Y.

My dear Mr Edison
I enclose you a letter from
Mr Brock Manager at Sharnstein
We have written him to return the
2 Volt meters (Pressure Indicators)
to us at once & in good order. By Mr Edison's
directions, these and all other
pressure indicators are to be
sent us as fast as practicable
from all the Stations & altered
to present form & shipped back
again. We have written Mr Brock
as above. Please notify all
the other Stations to send us their
indicators 1 by 1 so they can
be repaired and send us requisition
for the alterations.

We suppose you will attend
to the lamps for indicators - Mr

1884-05-26

BERGMANN & CO.,
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF

FIXTURES & APPLIANCES FOR THE EDISON ELECTRIC LIGHT.

NOS. 292 TO 298 AVENUE B.

New York, May 26 1884

Brock says he has not yet re-
ceived any - Also please obtain
what Mr Brock says about
10 more indicators for his
Station & send us the necessary
order.

Yours truly
Bergmann & Co.

W.E.

Everything really
to effect the
change in
stations

July

[ENCLOSURE]

1884-01-25

St. Louis, Mo. July 25-84

Wesley Bergmann & Co

Dear Sirs

I received from
you on the 23rd inst 2 Volt-meters & 2
oil lamps for them. Please send them
soon as possible as we are in a bad
way for indicators. Also please send the
balance (12 in all) as rapidly as possible &
we will return the 6 old ones we were to
have 12, but as Mr. Colson thought they were
poor he concluded not to send them until
something better was devised.

Yours Truly
Wm. Forster

The new indicators are
ready this week

4

February 12 1884.

1. Our Present Capitalization is 300 000 00
 The total Amount of Money now employed in our business is distributed as follows. 190 000 00

Building, Engine, Bridges,
 Dynamo, Electric &c 80 000
 Machinery & Tools 30 000
 Stock, Material &c 65 000
 Accounts Receivable, Am't, etc. 13 000
 Liabilities, all deducted 2 000
 Cash

2. Total Amount of Business Done -

We will go back to and include 1879-

Total Business 1879 64 487 37
 1880 98 761 25
 1881 93 249 76
 1882 210 905 78
 1883 246 436 61

January 1884

Total

73 351 87 642 212 14

Of the above, we shipped Abroad
 not including North America

1881 16 621 08
 1882 36 139 13
 1883 187 669 77

January 1884

Total

192 50

71 719 68

3. Amount of Business not for the Edison Electric light and included in the above 642 212 14 was as follows-

1881 60 425 27
 1882 72 446 04
 1883 108 382 60

January 1884

Total

78 053 97

289 118 88

which amount represents principally Telephone, Telegraphs, Cables, Alarms & general Electrical work -

4. The business has yielded a profit of about 20 percent on the amount of business done.

5. It would require about \$25,000

1.

We have by the invention of Messrs Johnson & Bergmann, and also by purchase acquired the title to or exclusive control of about 30 Patents, a statement of which is hereto annexed, showing what they have cost us to date.

768220

2

We have an arrangement with Mr. L. Stiermer giving us the exclusive control of his patents, the annexed statement showing what they are at this date. which arrangement is based on a fixed percentage or royalty, which has to date amounted to about ^{one dollar} ~~one dollar~~.

250

3.

We have accumulated some stock of devices and appliances which have become obsolete and have very little value and they have not been included in the foregoing statement - Our machinery and tools are all worth their cost to us and could not very well be dispersed with in any part.

2

We have an agreement also with Mr. J. H. Vail for Royalty on what are called Student Lamp Fixtures also on sundry other devices which we have enumerated in the annexed list. This has cost us to date about

225

Also a similar arrangement with C. D. P. Gibson on Lumbering Bracket. This has cost us to date about

240

Slide Chandeliers	Aug 5/82-269.299	190
Amputation Fixture	" 8/82-269.791	140
do "but the 1st fixture	Apr 18/82-256.701	90
do "Aug. 1881+but 1st	Feb 18/84-293.553	100
Amplifier	May 7/82-259.296	615
Socket Oil Light	" 2/82-257.297	565
Socket Oil Light	Feb 18/84-293.553	145
Socket "Helen	Dec 27/81-257.596	215
Socket "Canadian Patent	Jan 10/83-16.095	50
Instructions for the Circuits	Sept 10/82-264.299	140
do do do do "Canadian Jan 18/83-16.178		50
Chaud & Co's Connect Block	Aug 2/82-263.109	90
Shade "Helen	May 2/82-257.116	115
Amplifier Service for Instructions	Sept 10/82-264.298	130
Amplifier Plug	Oct 10/82-275.749	14750
Student Lamp	Oct 9/82-286.250	40250
Electric Conductors	Oct 10/82-275.748	70
Amplifier Plug	Sept 24/82-208.389	210890
Amplifier Plug		100
1/2 Patent Switch & Indicator		255
In Wiring System Connected Work		110
In Safety Catch		220
Shade "Helen" by Socket "Helen"		120
Double "Helen" Safety Catch		160
do do Switch		295
Insulating Flat Wood Paper		499.50
Electric Light Light		255
Amplifier Plug		285

768220

Under Royalty with C. H. Hönninger
 #209,220 June 6th 1882
 Insulating, joints, etc
 266,549 Oct. 24 1882
 Open Gas Cut-off Joints, etc
 266,550 Oct. 24/82
 on wiring of Electrodes etc
 272.169
 Electrodes Slide
 278.465
 Electric Light Gradual
 Amputation Fixture

Under Royalty with J. H. Hall
 #286.250 Oct. 9/83
 Student Lamp
 Steam Light Globe
 Wire Grounded Endpiece
 Side Reflector

Under Royalty with C. D. Gibson
 #208,389 Sept 24/82-Amplifier Plug

BERGMANN & CO.
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF
FIXTURES AND APPLIANCES
FOR THE
EDISON ELECTRIC LIGHT.

Nos. 292 TO 298 AVENUE B.

New York City
T. A. Edison Constr. Dept.
New York City
Feb 1 1884

Dear Sir

In reply to yours of 30th ult & the enclosed from Mr. W. H. Anderson & you, we have to say that

We have heard from Mr. Andrews on the subject. We will allow Mr. Fichter the full discount but don't see how we can very well refuse the discount to the Post of the Local Co. there & he will not probably order fixtures as a business & if he does we do not see what there is to do about it. We will not sell to anyone else, that is understood.

In regard to the list of material which Mr. Andrews requested us to bill to Mr. Fichter & which he mentions in his letter, we would say that we returned the card list to Mr. Andrews as soon as he received it & instructed him that he had better send it to you as we had charged our goods to you & besides some of the wire had not been shipped by us at all. He has doubtless already notified you of this.

Yours truly

Bergmann & Co.

BERGMANN & CO.,
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF

FIXTURES & APPLIANCES FOR THE EDISON ELECTRIC LIGHT.

NOS. 202 TO 208 AVENUE B.

New York, Feb 4 1884

Mr Edison

Consul Dept

Dear Sir

Yours of 2^d inst rec'd
the difference in charge
for Safety Catcher was
not an error - Those charged
at 45¢ were gold plated
Catchers and cost us that
much more than the others
which were plain Catchers.

Yours truly

Bergmann & Co.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,
NEW YORK.

Form H. M. 1000-12-3-83.
W. S. ANDREWS,
CHIEF ELECTRICAL ENGINEER,

Belleville, Pa. 188
Feb 6th 1884



Address reply to _____

Mr. Bergman, New York

Dear Sir,

In compliance with your request I will see that the connecting sleeves of dynamo regulators are returned to you.

You will probably receive from Clinton Dept. an order for some "Ground Detectors" like the one you made from my sketch and sent to Belleville.

Please do not make the binding screws beveled under head thus:  but straight  - The beveled ones will not grip even a No 16 wire unless it is wound two or three times round underneath head, and then it quite often breaks it.

I do not like them anywhere, and they have been a source of much profanity both to myself and others, but I must especially protest against their being put on any inst. of my design.

Very truly Yours
W. S. Andrews

BERGMANN & CO.,
ELECTRICAL WORKS,
SOLE MANUFACTURERS OF
FIXTURES & APPLIANCES FOR THE EDISON ELECTRIC LIGHT.
Nos. 292 TO 294 AVENUE B.

New York, Feb 6 1884

Messrs J & E CO

65 Fifth Ave

Syracuse

Yours of the 5th inst. received.
The 10 ampere meter which
you mention has been at home
for with Mr. Dickson since
about 2 weeks and it depends
on his standardizing the same
when it shall be shipped -
The other 1 B m has here
I can ship immediately

Yours truly
Bergmann

BERGMANN & CO.
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF
FIXTURES AND APPLIANCES
FOR THE
EDISON ELECTRIC LIGHT.

Nos. 292 TO 298 AVENUE B.

New York, Feb 21 1884

J. A. Edison

Const. Dept

Dear Sir

We wrote you several days ago requesting requisitions for the work of altering the Pressure indicators which are to be returned to us from the various stations but have had no reply. We are advised by letter today from the Fall River Co that they have returned 5 of the above - I am would like to have the regular orders -

Yours truly
Bergmann & Co.

BERGMANN & CO.,
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF
FURNITURES & APPARATUS FOR THE EDISON ELECTRIC LIGHT.

NO. 292 TO 298 AVENUE D.

New York, Feb. 25 1884

Dear Sir

60 Fifth Ave

You have never
let us hear from you in
regard to those 3 long pieces
of Germ. Silv. resistance
1 1/2" wide which you said
you would see about. If
2 pieces ea 6 in wide to
take the place of each of these will
do, we can do it better.

An early reply will oblige

Yours truly
Bergmann & Co.

Two strips in multiple are

BERGMANN & CO.
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF
FIXTURES AND APPLIANCES
FOR THE
EDISON ELECTRIC LIGHT.

Nos. 292 TO 298 AVENUE B.

New York, Feb'y 27 1884

W. A. Edison, County Dept.

Dear Sir

We enclose your letter
from Fall River Co. as we think you might
be interested in the post script. We
have received 5 Indicators to date from
~~the~~ Fall River and returned 4, charging
you for the alterations on same. We enclose
also credit bill for the other & shall
charge the altered ones as new ones as
fast as they are forwarded and shall
also do this in all the other cases - as
it seems to us the simplest method to
avoid possible confusion

Yours truly

Bergmann & Co.

We also enclose Credit bill for 2 re-
turned from Shamokin. This straightens
everything in respect of Indicators to
date.

BERGMANN & CO.,
ELECTRICAL WORKS,
SOLE MANUFACTURERS OF
FIXTURES & APPLIANCES FOR THE EDISON ELECTRIC LIGHT.
NOS. 292 TO 298 AVENUE B.

New York, Feb 29 1884

Medison Contr. Dgt
65 Fifth Ave NY.

Dear Sir We have sent Mess
McCormell a catalogue but
before giving them any disct
I would like to know whether
they are to be the parties to
conduct this branch in Ark.
land. An answer will oblige
Yours truly,
Bergmann & Co

BERGMANN & CO.
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF
FIXTURES AND APPLIANCES
FOR THE
EDISON ELECTRIC LIGHT.

Nos. 292 TO 298 AVENUE B.

New York, *March 14* 1884

J. A. Edison

Courtesy Dept-

Dear Sir

We inclose you herewith a letter from W. H. Douty, Credit, Shamokin Pa. which in thought you had better see before we made any reply. If you desire us to give him prices, we would like to know whether he will require 2 Regulators for 1. H. App. or 1 Regulator for 2. H. & whether the Isolated Regulators are O.K. for the 3 wire system. In regard to the guarantee which he asks we would have to reply that we do not guarantee any of our apparatus any further than to guarantee that they are made as the Engineers of the Edison System direct, and we cannot be responsible for the Efficiency of the Apparatus.

Yours truly,

Bergmann & Co.

P.S. We have written Mr. Douty, that we would reply in a day or two - Please therefore let us hear from you at your earliest convenience

Yours truly,

Bergmann & Co.

BERGMANN & CO.
ELECTRICAL WORKS,

SOLE MANUFACTURERS OF
FIXTURES AND APPLIANCES
FOR THE
EDISON ELECTRIC LIGHT.

Nos. 292 TO 298 AVENUE B.

New York, N.Y. 17 1884

Mr. S. Ingersoll Esq

65 Fifth Ave., N.Y.

Dear Sir

In regard to the credit
to Mr Edison's life which is to be made
on the books of the firm, would say
that we will inform you as soon
as the books have been so far completed
as to give me the exact amount.

Yours truly

Bergmann & Co

Personal

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE,

NEW YORK

Form 2 B, 1909-11-18.

188

Alfred Bergmann & Co }
292 Ave B }
city }

Dear Sirs:

Please hurry forward
the "B" Ampere meter, Ficken
Regulators & pole line safety
catches for Middletown.

Our men are waiting for
the above to complete the
system and start the
station.

We have
filled all
orders for Middle
town B&Co

Yours truly

Thomas A. Edison Construction Co

By Samuel Merrill

BERGMANN & CO.
ELECTRICAL WORKS,
Patentees and authorized Manufacturers of
EDISON ELECTRIC LIGHT FIXTURES AND APPLIANCES,
COMBINATION (Electric Light and Gas) FIXTURES A SPECIALTY.
DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.
The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 AND 298 AVENUE B,

New York, April 1 1884

Mr. S. Insull
65 Fifth Ave-
N.Y.

Dear Sir Herewith I send you
Certificates for 998 shares of
the stock of Bergmann & Co.
belonging to T. A. Edison -
Kindly acknowledge
receipt of same & oblige
Yours Truly
S. W. Klumpp
Secy.

THOMAS A. EDISON,
Central Station, Construction Dep't,
NO. 65 FIFTH AVENUE,

Form L. 200-55-71.

New York, April 3rd, 84 188

Messrs. Bergmann & Co.

292 Ave. B. City.

Dear Sirs:-

Enclosed we beg to hand you a letter from Mr. Paul
Seiler Superintendent of the California Elec. Works, in which he
asks for some supplies. We have informed him that his letter
has been referred to you for action.

Yours truly,

Thos. A. Edison

By.

Let BTC Collect
Bill for foil & Lamp

Black - latter can
be got from John

Charge to price as we
found it to 100 +

Mr. Edison C.D.
Mr. has entered an order for the lamp
black & 10 lbs foil (20 would last
a life time) of the small size - Suppose
you will attend to sending him the
Outo of the lamps & generators -

Yours truly

Bergmann & Co

P.S. Mr. will charge the foil to you is that
OK. 2

[ENCLOSURE]

M. GREENWOOD,

PRESIDENT,

CALIFORNIA ELECTRICAL WORKS.

65 MARKET STREET.

PAUL SEILER,

MANAGER.

San Francisco, _____ 188

In reply to yours

No.

I sent a B armature of a Z Dynamo to your Co. for Rewdg. also ordered a new one for the Stmr Queen of Pacific - and hope it will come soon. Mr Ladd Treas. of the Bell & L.F. Edison Lt. Co. met with an accident: a large Staghound of his, bit his thumb clean off - he is suffering considerable.

Mr. Edison I hope you will do me the favor of sending the Electrotypes - lampblack & foil soon & greatly oblige

Yours truly

Paul Seiler Sups
Cal. Elec. Works -

BERGMANN & CO.
ELECTRICAL WORKS,
Patentless and substantial Manufacturers of
EDISON ELECTRIC LIGHT FIXTURES AND APPLIANCES,
COMBINATION (Electric Light and Gas) FIXTURES A SPECIALTY.

DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 AND 298 AVENUE B,

New York, Apr 7 1885

Mr. A. Brook

Richmond, Pa -

Dear Sir,

I am of you - recd - regarding
notice with Key Socket for 32 C.P.
Lamps recd. In reply we can only
say that the sockets are not intended
for anything more than the regular
lamps. We have however sent a
sample of the very latest style of K.S.
to Mr. Floyd from whom we received
a letter last year just a short
time before. We think they will
do.

Yours Truly,

Bergmann & Co.

Pls Return

BERGMANN & CO.
ELECTRICAL WORKS,

Patentees and authorized Manufacturers of
EDISON ELECTRIC LIGHT FIXTURES AND APPLIANCES,
COMBINATION (Electric Light and Gas) FIXTURES A SPECIALTY.

DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 AND 298 AVENUE B,

New York, April 14 1884

W. A. Edison Const. Dept.
65 Fifth Ave. N.Y.

Dear Sir,

In reply to yours of 14th inst.
regarding the scrap copper wire in
Laboratory, would say, we can
take the same off your hands at
10¢ per lb.

Yours truly
Bergmann & Co.
Hlin

BERGMANN & CO.
ELECTRICAL WORKS,
Patentees and authorized Manufacturers of
EDISON ELECTRIC LIGHT FIXTURES AND APPLIANCES,
COMBINATION (Electric Light and Gas) FIXTURES A SPECIALTY.
DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.
292, 294, 296 AND 298 AVENUE B,

New York Apr 17 1884

Edison Court Dept
NY.

Dear Sir

In reply to yours requesting
price on the 32 Edison Equalizers for order
#1169, we give below details of cost of same
and try to say that we will furnish the same
@ \$12.50 Each Unit.

Sheet Copper 24" Cast Iron 25 1/2	Cost.	4.	92
Compos Castings		9	80
Galv. Wire 6" Copper Connect. Wire 3 1/2 "		9	90
Cold Rolled 1 1/4" Shafting 36 Camage Bolts 50 "			60
Brass Screws 90 Set Screws		1	76
Machinic Screws 1 1/2 " Rubber tubing 60 "			76
Frame & tops 4 1/2 "		11	50
Time Making and Assembly		21	
		60	24
		15	08
		75	32

Add 25%

Trusting that you will find this
satisfactory, we remain

Yours Very Truly
Bergmann & Coffin

THE EDISON LAMP CO.,

EAST NEWARK, N. J.,

April 13th 1884

~~Brigman & Co.~~
~~New York~~
~~Gentlemen~~

Please send us
an order for 100 -
Indicator Lamps as
order by Mr John
Ott please at
once.

Yours truly

Edison Lamp Co.

Mr Inell - You know the un-
derstanding we had about this
please send an order from C. D. E.
P. H. C. D.

BERGMANN & CO.
ELECTRICAL WORKS,
Patentees and authorized Manufacturers of
EDISON ELECTRIC LIGHT FIXTURES AND APPLIANCES,

COMBINATION (Electric Light and Gas) FIXTURES A SPECIALTY.
DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 AND 298 AVENUE B,

New York, April 23rd 1888

W. P. A. Edison
65. 5th Ave

Dear Sir

I have found a serious fault
in the new glass safety plugs and
am desirous that they should not
be used till the same has been
remedied. None have been issued
yet save as samples and if you
have received any, I have to request
that you do not make use of them
and if possible return them to us.

Your kind attention to the above
will very greatly oblige

Yours Truly
S. Bergmann

K.

BERGMANN & CO.
ELECTRICAL WORKS,

Patentees and authorized Manufacturers of

EDISON ELECTRIC LIGHT FIXTURES AND APPLIANCES,

COMBINATION (Electric Light and Gas) FIXTURES A SPECIALTY.

DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 AND 298 AVENUE B.

New York, *Apr 26, 1888*

W Edison Constr Dept
60 Fifth Ave NY
Drassin

Replying to yours
of 25th inst in bag to say that
we allow the Isolated Co the
same discount as you are getting
now - viz - 30%. We do not
know what prices they sell at.

Very Resp

Bergmann & Collin

BERGMANN & CO.
ELECTRICAL WORKS,

Patentees and authorized Manufacturers of
EDISON ELECTRIC LIGHT FIXTURES & APPLIANCES.

Combination (Electric Light and Gas) Fixtures a specialty.
DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 & 298 AVENUE B.

New York, April 30 1884

Edison Corset Dept
66 Fifth Ave

Sir

Referring to your order
1205 for 20 Porcelain incen-
ditors - What is it that you
want. you do not describe them
& I do not remember ever fur-
nishing any -

Does this

Sketch describe

What you

want - & if

there are more
sizes than one.

Let us know what size
you want. ?



Yours Truly
Bergmann & Co
Klein

Mr J R Campbell Apr 30/84

Note and advise
Perquama what
order refers to



Most ordinary
as described in
Bunnell's
Catalogue Feb 12

BERGMANN & CO.
ELECTRICAL WORKS,

Patentees and authorized Manufacturers of
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Combination (Electric Light and Gas) Fixtures a specialty.

DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 & 298 AVENUE B

New York, May 8, 1884
Mr. Campbell
65 Fifth Ave.
Dear Sir,

Please send us
Sketch of the connections
on the Feeder equalizer -
Please bring this
over with you the next time
you come

Very greatly oblige

Yours

Bergmann & Co.

BERGMANN & CO.
ELECTRICAL WORKS,

Patentees and authorized Manufacturers of

EDISON ELECTRIC LIGHT FIXTURES AND APPLIANCES,

COMBINATION (Electric Light and Gas) FIXTURES A SPECIALTY.

DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 AND 298 AVENUE B,

New York, May 8 1884
J. A. Edison Constr. Dept.
65 Fifth Avenue - N.Y.
Mr. L. Insull

Dear Sir

Yours of 6th inst. recd. inclosing
Sketch of new arrangement of switches on lightning
arrestors. - We have filed same and will make
future lightning arrestors in this manner -
Do you want us to make one now? -

Yours Resp.

Bergmann & Co.
H.

BERGMANN & CO.
ELECTRICAL WORKS,

Patentees and authorized Manufacturers of
EDISON ELECTRIC LIGHT FIXTURES & APPLIANCES,

Combination (Electric Light and Gas) Fixtures a specialty.

DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 & 298 AVENUE B.

New York, May 12 1884
Mr. S. Insull
65 Fifth Ave.
Dear Sir
Kindly deliver
to bearer the Blake
transmitter
oblige
Yours
Bergmann & Co.

BERGMANN & CO.
ELECTRICAL WORKS,

Patentees and authorized Manufacturers of

EDISON ELECTRIC LIGHT FIXTURES & APPLIANCES,

Combination (Electric Light and Gas) Fixtures a specialty.

DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 & 298 AVENUE B.

New York, May 13, 1887

Mr. Campbell
65 Fifth Ave

Dear Sir

Please deliver to
begin the drawings for
the connections of the equalizer,
else we cannot finish them -

Respectfully

Yours

Bergmann & Co.

one handle which (see exposure)
al me) BERGMANN & CO. are kind no
the ELECTRICAL WORKS, and also
for the purpose of Patented and authorized Manufacturers of

EDISON ELECTRIC LIGHT FIXTURES AND APPLIANCES.

COMBINATION (Electric Light and Gas) FIXTURES A SPECIALTY.
DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 AND 298 AVENUE B

New York June 3 1884

T. A. Edison

65 Fifth Ave

Dear Sir

Regarding the matter of this
interference in umbrella reflector will
you please let us know what your wishes
are in the matter, as soon as possible
to oblige

Yours Very truly

Bergman Hoffman

Please return the paper with your
reply.

BERGMANN & CO.
ELECTRICAL WORKS,

Patentees and authorized Manufacturers of
EDISON ÉLECTRIC LIGHT FIXTURES & APPLIANCES.

Combination (Electric Light and Gas) Fixtures a specialty.
DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.
The Most Complete Facilities for all kinds of Electrical Work.

282, 284, 286 & 288 AVE. C ST. N. Y. C.

New York, N.Y. May 2d 1884

Mr S. Insull
65 Fifth Ave

Dear Sir Please get me as soon
as possible a special
report on
Woodstock Iron Co.
Armistown Ala
and oblige
Yours truly

S. Bergmann
K.

BERGMANN & CO.
ELECTRICAL WORKS,

Patentees and authorized Manufacturers of

EDISON ELECTRIC LIGHT FIXTURES & APPLIANCES,

Combination (Electric Light and Gas) Fixtures a specialty.

DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 & 298 AVENUE B.

New York, June 6, 1891
Mr S. Merrill -

65 Fifth Ave. - N.Y.

Dear Sir

Kindly send me
at once the rating of the
"Clay Commercial Telephone Co"
Shakespeare Building
1017 Chestnut Street
Philadelphia Pa.

And also a special report as
soon as possible -

Yours Very Truly

Bergmann & Co.

BERGMANN & CO.
ELECTRICAL WORKS,

Patentees and authorized Manufacturers of

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Combination (Electric Light and Gas) Fixtures a specialty.

DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 & 298 AVENUE B.

New York, June 10, 1894

Madison Condit Dept-
65 Fifth Ave N.Y.

Dear Sir
Yours of 9th inst recd - enclosing
letter from Mr Andrews as to dis-
pensing with the Thermostats
in Meters for Village Plants -
I in reply would say that
dispening with same
will lessen the price of
the Meters \$5 each.

Yours truly

Bergmann & Co
R

2

BERGMANN & CO.
ELECTRICAL WORKS,
Patentees and authorized Manufacturers of
EDISON ELECTRIC LIGHT FIXTURES AND APPLIANCES,
COMBINATION (Electric Light and Gas) FIXTURES A SPECIALTY.
DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.
The Most Complete Facilities for all kinds of Electrical Work.
292, 294, 296 AND 298 AVENUE B.

New York June 17/1884
Al Edison Constr Dept
N.Y.

Dear Sirs
Replying to yours of 10th inst regarding
the 32 Fiedler Equalizers would say, that we
have made & billed to you the full quantity
You appear to have overlooked 1 of the bills
of May 29th We sent you 2 on that date
both of the same amount. \$154.⁰⁰ There
were 32 Fiedler Equalizers in each - one
of the bills was for a Chapman's to Belle-
fonte of a second 2, making the
total for Bellefonte 4, instead of 2
as you have it
Yours Truly,
Bergmann & Co

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

Per S. S. _____

Via _____

NEW YORK, 18th June 1888

Bergmann & Co

We have two Y
Resistance Boxes at
Newburgh.

What will
you take them back
for supply two S
Boxes in their stead

Yours

We will supply the S. Boxes regular
Price and allow full Price less 25%
on old ones. S. Bergmann.

BERGMANN & CO.
ELECTRICAL WORKS,
Patentees and authorized Manufacturers of
EDISON ELECTRIC LIGHT FIXTURES AND APPLIANCES,

COMBINATION (Electric Light and Gas) FIXTURES A SPECIALTY.
DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 AND 298 AVENUE B,

New York, June 21st 1884

Edison County Dept.

65 - Fifth An - N.Y.

Dear Sir

*Yours of 19th recd - The Volt box
for Mr. Leonard is now ready - Please
send shipping directions - We return
his letter as requested -*

*Yours truly
Bergmann & Co*

BERGMANN & CO.
ELECTRICAL WORKS,

Patentees and authorized Manufacturers of

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DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

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292, 294, 296 AND 298 AVENUE B.

New York, July 3 1884

Mr S. Insull

65 Fifth Ave. N.Y.

Sir

In reply to yours of 30th ult. concerning the Wheatstone Bridge sent to Newburgh, we can only reply "Certainly not." We have once written you why we sent this bridge & informing you that at the earliest possible date we would send a new one in exchange. This, it seems to us, ought to be satisfactory, though now after they have made use of the bridge, we can readily understand how they can manage to see it in a different light. If the above proposition is not satisfactory, they can return us the bridge & we will render a bill for its use, for which we are of course entitled to be paid. I shall have the matter settled as soon as possible.

Yours truly
Bergmann & Co.

BERGMANN & CO.
ELECTRICAL WORKS,

Patentees and authorized Manufacturers of
EDISON ELECTRIC LIGHT FIXTURES & APPLIANCES.

Combustion (Electric Light and Gas) Fixtures a specialty.

DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 & 298 AVENUE B.

New York, July 18 1888

Edison Const. Dept
65 Fifth Ave N.Y.

Sir

Kindly telephone
us in the morning the
rating of

Newark Nickel Plating Co.

11 Mechanic St.

Newark N.J.

We do not need a special
report.

Yours Truly

Bergmann & Co

BERGMANN & CO.
ELECTRICAL WORKS,
Patentees and authorized Manufacturers of
EDISON ELECTRIC LIGHT FIXTURES AND APPLIANCES,

COMBINATION (Electric Light and Gas) FIXTURES A SPECIALTY.
DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.
292, 294, 296 AND 298 AVENUE B,

New York, July 19-1884
Thos. A Edison Esq
60 Fifth Ave. N.Y.
Dear Sir

We have yours of 17th with
in respect to taking back the arc
lamps - We reply to say
that when we got the order to make
them, in anticipation of further
demand, we made more than the
order called for and therefore have
some lamps on hand which we
do not know what to do with -
In the absence of any prospective mar-
ket for them, we cannot make any
offer whatever for the lamps mentioned.

Very Respy Yrs
Bergmann & Co.

W.

BERGMANN & CO.
ELECTRICAL WORKS,
Patentees and authorized Manufacturers of
EDISON ELECTRIC LIGHT FIXTURES AND APPLIANCES,

COMBINATION (Electric Light and Gas) FIXTURES A SPECIALTY.
DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.
292, 294, 296 AND 298 AVENUE B

New York, July 23 1884

Mr. Edison Constructors Dept
20 Fifth Ave. N.Y.
Dear Sir

You have in stock in the
Laboratory

87 lbs #16 Red Paragon Cable
+ 118 " 16 White " "

We could use same, if you could get
it at the price we pay for Red Cable
as it is all red cable that we want
though the ~~price is the~~ white is no
objection - Please reply on receipt
+ oblige

Yours Truly
Bergmann & Co
K

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

CABLE ADDRESS—EDISON, NEW YORK.

Per S. S. _____

NEW YORK,

5th Aug 1884

Messrs Bechmann & Co

Dear Sirs,

Have you shipped
the Deeden Regulators to
Fall River & the Gauges for
Pressure Indicators to Bellfonte
If not when will
they go. These matters are
pressing

Yours truly

Dear Sir! I am I suppose
leader of ~~your~~ cylinders go to my
camps to Bellfonte are shipped

Yours truly
Bechmann & Co
New York

BERGMANN & CO.
ELECTRICAL WORKS,
Patentees and authorized Manufacturers of
EDISON ELECTRIC LIGHT FIXTURES AND APPLIANCES,

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DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.
292, 294, 296 AND 298 AVENUE B,

New York, Aug 23 1884

Thos A Edison
65 Fifth Ave - N.Y.

Dear Sir The meeting of stock holders
which was to be held on Monday
2 pm. has been postponed on account
of Mr Johnsons absence till Tuesday
the 26th inst @ 10. A.M. Your
attendance is earnestly requested -

Very Respy
J H Kleindr
Secy

BERGMANN & CO.
ELECTRICAL WORKS,
Patentees and authorized Manufacturers of
EDISON ELECTRIC LIGHT FIXTURES AND APPLIANCES,
COMBINATION (Electric Light and Gas) FIXTURES A SPECIALTY.
DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.
The Most Complete Facilities for all kinds of Electrical Work.
292, 294, 296 AND 298 AVENUE B,

New York, Sep 24 1884

T. A. Edison Esq.
65- Fifth Ave - N.Y.
Dear Sir

A special meeting of
the trustees of this company
will be held at this office
on Saturday the 27th inst at
10 A.M.

Subject - Dividend

Your presence is earnestly
requested -

Yours truly

Chas. H. Johnson
Presd-

BERGMANN & CO.
ELECTRICAL WORKS,
Patentees and authorized Manufacturers of
EDISON ELECTRIC LIGHT FIXTURES AND APPLIANCES,

COMBINATION (Electric Light and Gas) FIXTURES A SPECIALTY.
DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.
The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 AND 298 AVENUE B

New York, Oct 7 1884

Mr J A Edison

65 - Fifth Ave - N.Y.

Sir
The Cal^d El. Works - want
about 4 doz Lamp glass to make
Edison bulbs - Will you
please furnish us same,
letting us know by return
mail whether or not we
can get it & if so, how soon.

Yours truly

Bergmann & Co

Consulate of Japan,
P. O. Box 284.

18th, 1884

New York City, N. Y. May 17th 1884

Bergmann & Co
Gentlemen.

Please send us by
return Mail the Pacific Mail Co's
receipt for Box shipped by you to
Imperial Engineering College
Tokio Japan, it is required to have the
same in order to obtain Bills of Lading.
The receipt must have been given to
the driver who delivered the Box to
the Steamship Co. As we wish to pay
the freight etc and have the thing settled
as soon as possible you will greatly oblige
us by giving this your kind attention
Yours Truly

W. Hastings Deay

At Susan Co. O. Cal.

John C. H. Have read this letter, and
send receipt handed to you by
Mr. John H. to above address.
Yours Truly Bergmann & Co.

BERGMANN & CO.
ELECTRICAL WORKS,

Patentees and authorized Manufacturers of
EDISON ELECTRIC LIGHT FIXTURES & APPLIANCES.

Combustibles (Electric Light and Gas) Fixtures a specialty.
DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

The Most Complete Facilities for all kinds of Electrical Work.

292, 294, 296 & 298 AVENUE B.

J. A. Edison

New York, Nov 20, 1887

Consd. Sept.
65 Fifth Ave. N.Y.

Gentlemen

Some time ago
we received from Mr. Ott 50 Carbon
Buttons and some Lamp Glass. -

Please send us bill
for same

Yours
sincerely

Yours
Bergmann & Co.

W. A.

BERGMANN & CO.
ELECTRICAL WORKS,

Patentees and authorized Manufacturers of

EDISON ELECTRIC LIGHT FIXTURES AND APPLIANCES,

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DESIGNS AND ESTIMATES FURNISHED ON APPLICATION.

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292, 294, 296 AND 298 AVENUE B.

Car
New York Nov 29 1884
Edison Electric Light Co.
40 Fifth Ave N.Y.

Sir
Will you please give us the
theoretical data or figures with
the necessary explanations that will
enable us to inform the Societe
d'Appareillage Electrique, 8 Boulevard
du Theatre, Geneva, Switzerland how
to calculate bill by Meter - They
have asked us for prices on meters
and also the above information.
If you prefer to write to them
direct of course that will be
correct and answer just as well.
We append the correspondence
which please return - with your
reply
Very Respy Yours
Eugene Bergmann

[ATTACHMENT]

THOMAS A. EDISON,
PRESIDENT.

CHAS. BATCHELOR,
TREASURER AND GEN'L. MANAGER.

SAMUEL INSULL,
SECRETARY.

EDISON MACHINE WORKS.
104 GOERCK STREET,

CABLE ADDRESS:
"XYDSUN NEW YORK."

New York, November 21st, 1884.

Messrs Bergmann & Co.

292 Ave. B, City.

Dear Sirs:-

In a letter from Geneva, Switzerland, to us, occurs the following, "We would like to know what you are doing with your meters, and if you are using it with your New York Station. We would like to know as far as possible the proportion of the total current passing through the voltameter and the way to calculate the bills."

Will you write them giving information and prices. And say that you can furnish the meters?

We are making something for them all the time, and they are good as far as we have dealt with them. Their address is Societe d'Appareillage Electrique, 8 Boulevard du Theatre, Geneva, Switzerland.

We beg to remain

Very truly yours,

The Edison Machine Works

By

Chas Batchelor

Gen'l Manager

Mr. Edmund - 1 Nov 22

[ATTACHMENT]

Form 64.

OFFICE FIRST DISTRICT.

EDISON ELECTRIC ILLUMINATING CO. OF NEW YORK.

257 PEARL STREET,

New York, Nov. 28th 1884
Messrs. Bergmann & Co.
Gentlemen:

Yours Nov. 22^d received
asking for information
about the Edison Meter.

The proportion of current
passing through the voltameter
in this district is $1/974$.

For the theoretical data practic-
ally explained, I will have
to refer you to 65 5th Ave.

Very Truly Yours
C. E. Chinnoch

Supt.

FRANCIS JEHL
ELECTRICIAN
for
SOCIÉTÉ ÉLECTRIQUE EDISON
PARIS.

1 Strada Ionica

Bucuresti Dec 17th 1884

No.

My dear Bergemann

It is a long time since I have heard anything from New York & I wish you would please let me know something about home. I have written to Batch but have received no answer, in fact it seems very hard to get an answer from the boys, — I suppose you must have by this time a place on Fifth Avenue. I wish you would give me the best way of 100 ^{pairs} Edison telephones also for a switch board for the same. I might have a chance here in Bucharest to establish a telephone station and there would no doubt be needed a few hundred pairs, and I should like to get an estimate from you, as I have said above per 100 pairs, with switch board complete. Perhaps you can give me figures concerning a telephone station which would be useful to me. I intend if a telephone station is made to have only Edison instruments (carbon). Bucharest is a larger city than one would think in America, in fact it is a small Paris, and pretty lively. Please also send me one of your catalogue. I am lighting the National Theatre here with about 1700 Edison lamps. I spent 2 years in Austria, lighted also a Theatre at Vienna, since I left

America I have installed about 7500 Edison lamps.
Tell me how business is at home, and how the
boys are. Give them my best regards and ask
them to drop me a line or two. Is there any
thing new at Edison's place, and tell him I
have inquired again about him. I suppose
he is high toned now since he has left Mead,
and tell him I should like to hear a word from
him. How is Mrs. Upton, his letters have also
ceased some time ago. And Clark. Do ~~not~~
tell these gentlemen to let me hear from them,
you know it does a fellow good to hear
from those that he used to be one of, and
now having been so long away, and also so far,
I suppose you have not forgotten me yet, but
it seems very long since I left.

Hoping for an early answer
and with regards

I remain yours truly

P.S.

Francis Jehl

Merry Christmas & a happy new Year
to all my friends, & yourself—

My address is

Francis Jehl
Strada Ionica no 1

Bucarest
Romania

1884. Electric Light - Edison Company for Isolated Lighting (D-84-025)

This folder contains correspondence and other documents relating to the business of the Edison Company for Isolated Lighting, which sold and installed small power plants for the lighting of single buildings. Related material can be found in the Primary Printed Collection (Company Records Series) and in D-84-039 (Electric Light - Thomas A. Edison Construction Department - General).

Approximately 60 percent of the documents have been filmed. Routine correspondence relating to the shipment of equipment has not been filmed.

THE EDISON COMPANY }
FOR ISOLATED LIGHTING. }

GENERAL MANAGER'S OFFICE,
65 FIFTH AVENUE.

Please address reply to the undersigned.

New York, 27 July 1884

Mr. Innell:

Your construction
Dept. owes us something
like \$4000. Can't you manage
to settle it in some way?
We haven't enough money
to pay your machine
Man, unless you can make
some provision for the construction
Dept. balance.

J.V.

July 27/84

[MARCH 1884]

WHITE MOUNTAINS.

MAPLEWOOD HOTEL,
MAPLEWOOD, N. H.

MAGNOLIA HOTEL,

ST. JOHNS RIVER, FLA.

O. D. SEAVEY, MANAGER.

Magnolia, Fla., 188

Wiring 543 Lits, at 3.	1629	
Fans.	200	
Pockets,	200.	
2. 3200. Cp dynamos 400 ¹⁶ or 750 ¹⁰ sp	4000	
2 8 1/2 X 10 Engines.	1700	
Foundations for ditto.	275-	
Steam piping	350.	
Exhaust pipe.	60	
Boiler	1600	
Setting boiler	500	
Lamps + extra supply (700)	700	
Sockets. 545- \$1-	545.	\$12127.
Extra Engine parts	100.	
Extra armature	425-	
Oil Cans small tools,	25-	6
Belts.	40	4
Extra brushes	10	3
Shades + Holes.	218.	
Labor erecting dynamos etc.	450	*
trimming 60 days.	450	
	218.	

MAGNOLIA HOTEL.
MAGNOLIA, (St. Johns River) FLA.

MAPLEWOOD HOTEL,
MAPLEWOOD, N.H.

other wing

14 sleepers, Servants	14
40 sleepers. Regulars	40
Corroder	30
Kitchen	10
2 Pantry	10
Engine room	3

Dining Hall 60

30 Servants rooms under dining Hall 30.

Laundry 25 lights

7	75	80.
20	62	545
30	90	1 14
10	227	2
10	252	850
3	399	1700
60		
12		

MAGNOLIA HOTEL,
MAGNOLIA, (St. James River) Fla.
MAPLEWOOD HOTEL,
MAPLEWOOD, N. H.

33
90 - in 5-stories
70
193.

Rooms. 225 inclusive of Servants Rooms

40. 10 in parlors of 4 Light each
14-
70
33
16.
96
70
215.

10. 16 20 32
4
26
18
208
26
468
40
50
69
33
207
267
227
206
27
240
545
40
21800

33 Sleepers	33
Corridor	10
Gen Bath	1
Water Closet	1
Landing	1
	<hr/>
3 stories,	46-

Sleepers	29.
Hall	1
Corridors	4
Bullpen	20
Pitcher Room	2
Water Closet	1
Veranda	4
6 street lights.	.

1st story Veranda lights, 20

Parlor	40
Small Parlor	4
Ladies Writing	2
Office	17
News	1/2
Chandler	1
Reception	2
Reading Room	6
Propr. Priv. Office	2
Bath room	1
3 Sleepers	3
Porridor 4	4
Passage	1
Managers	2
3 Sleepers	3
Stairway	1
3 Sleepers	3
Corridor	4
	<hr/>

16,500
+ 200

stay
stay

90
107
138
67
20
98

520
25 *Landy*

545
3
1635

List of Employees

Edison Company for Isolated Lighting May, 1900

Office	165 St. Ave. N. Y.	Rate	Amount Paid in April
<u>Office</u>			
C. M. Francis. Clerk - Month	12.00		125.00
H. Kinner " "	10.00		100.00
G. C. Wallace " "	83.33		83.33
A. W. Combs " week	10.00		43.34
Sam. Allen Cashier Month	37.50		37.50
B. F. Bard Cassaver " "	100.00		100.00
	<u>455.83</u>		<u>489.17</u>
<u>Superintendent Office</u>			
J. D. Vail Supt. per Month	150.00		150.00
E. S. Davidson Clerk " "	65.00		100.00
P. D. Potter Wrought " "	100.00		100.00
	<u>315.00</u>		<u>260.00</u>
<u>Supply Store</u>			
C. M. Williams St. Keeper	83.33		83.33
J. H. Cochran Ship Clerk week	5.50		56.33
C. M. Stark Assistant " "	5.00		20.06
E. Fitzpatrick Messenger Month	25.00		25.00
	<u>128.83</u>		<u>184.72</u>
<u>New England Department</u>			
A. B. Paul Manager Month	300.00		300.00
C. D. Lickney Agent " "	150.00		150.00
W. Hodgkinson " "	100.00		100.00
W. H. Francis Supt. " "	108.34	April	150.70
P. J. Sawyer Starcher " "	50.00		50.00
	<u>708.34</u>		<u>750.70</u>
<u>Canadian Department</u>			
A. M. Rylands Manager Month	150.00		150.00
A. J. Hanson Asst. " "	100.00		100.00
J. H. Spenser Foreman " "	80.00		80.00
L. Q. Moray Clerk " "	50.00		50.00
W. J. Pittcher " "	30.00		30.00
	<u>410.00</u>		<u>410.00</u>
<u>Mobile Parish</u>			
M. P. Richardson Sec. Eng. & Asst. " "	125.00		157.50
and 10% bonus collection			67.50
W. J. Richardson three incl. April	67.50		67.50
	<u>192.50</u>		

THE EDISON COMPANY }
FOR ISOLATED LIGHTING. }

SECRETARY'S OFFICE,
65 FIFTH AVENUE.

C. V.
Edison Construction Dept.

New York, May 2nd 1884

65-5th Ave.

Gentlemen.

Have you in your office
any data relating to plans for
the Jersey City terminus of the
Erie Railway. I think you received
from us, nearly a year ago some
maps and other details.
Will you kindly look into
the matter and advise me.

Yours very truly
J. Hutchinson

THOMAS A. EDISON, PRESIDENT,
SAMUEL INBULL, SECRETARY & TREAS.
GUSTAV GOLDAN, SUPERINTENDENT.

OFFICE,
65 FIFTH AVENUE,

EDISON MACHINE WORKS.
104 GOERCK STREET,

New York, 17th June 1884

Sam^l Insull Esq.

65 Fifth Ave, City,

Dear Sir,

Received certificate No 398 of The Edison Co
for Isolated Lighting, for 54 shares of their capital stock.
With thanks

Very truly yours

Chas Batchelor

Gen Mgrs.

THE EDISON
Electric Light Company.

THE EDISON COMPANY FOR
ISOLATED LIGHTING.



JOHN R. MARKLE,
MANAGER MICHIGAN DEPARTMENT.

163 Griswold Street.

Detroit, Mich.

June 23rd 1884

Thos. A. Edison.

Dear Sir,

*Congratulations
Jury on his ordination
faith*
Times in Michigan
are hard. — Things look blue. —
Very, very blue. — Notwithstanding
all this and the fact that
we are at present under a
cloud, I have a "faith as big
as a mustard seed" that we
will come out all O.K. —

I believe firmly in the work
you have accomplished. — Am
an Edison man to the death.

Am beset on every hand,
but you will always find
me "on deck". — I have an
idea you have many difficulties
to surmount and write you in
the foregoing manner that you
may know where I stand. —

Command me at any time.

Yours sincerely, John R. Markle

Worcester, Sept. 7, 84

Dear Mr. Insull:

I wrote Mr. Hutchinson a few days ago to learn at what price per month the Esolator Co. would let a dynamo for and in reply he said \$40.00 a month. The machine - an L - is wanted by the city of Worcester to light a tunnel, which is about to be driven through solid rock, and the estimated time which the work will occupy is eight months. I am anxious to avoid any unpleasant complica-

tion with the Soc. Co. but
cannot help thinking that
their price is too high.

I therefore write you
this purely personal note
to ask you if you can tell
me how I can proceed to
get better terms. Is it not
possible for me to deal
directly with the machine
works?

We want to hire only
the A machine and hand
regulator and have no
desire to make money
on the job. Our only
purpose is to improve
an opportunity to make
friends for the system in
the city government.

Sincerely yours,
Edw. D. Bancroft

THE EDISON COMPANY FOR ISOLATED LIGHTING.

P. O. BOX 3,311

ROOM 15, HERALD BUILDING.

SIDNEY B. PAINE,

CHARLES D. STICKNEY

Sole Agents

for

NEW ENGLAND.

Boston, October 24 1884

T. A. Edison, Esq.

Dear Sir:- Yours of 20th to Mr. Stickney has been handed over to me for reply. I will write my much Mr. Geo. Dean, and endeavor to procure the proxy.

Very truly yours
Sidney B. Paine

1884. Electric Light - Edison Electric Illuminating Company of New York (D-84-026)

This folder contains correspondence and other documents relating to the business of the Edison Electric Illuminating Company of New York, which operated the Pearl Street central station. Many of the letters are by Samuel Allin, cashier of the company, and concern income received from customers served by the Pearl Street station. Related material can be found in the Edison Electric Light Company Bulletins and in the Primary Printed Collection (Company Records Series).

All the documents have been filmed.

The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

1884-01-03

New York, Jan 3 1884
T. A. Edison

Collection

Dec. 27	186.38
29	618.35
31	<u>637.92</u>

Total for December \$10,070.98

Yours
Sd.

This is nearly a thousand
over now—

The Edison Electric Illuminating
Company of New York,
15 Fifth Avenue.

1884-01-17.

New York, Jan 17 1884
J. P. Edison Esq
New York

Collections 1st Dist.

Jan 2	194.02
3	307.53
4	443.32
5	507.35
7	531.30
8	482.27
9	670.91
10	256.53
11	496.36
12	203.32

This month to date 3763.21

J. P. Edison

The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

1884-01-19

New York, Jan. 19 1884

J. A. Edison

Collector, District

Jan 16. 610.16

17 607.13

18 438.33

Sr.

The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

1884-01-28

New York, Jan 28 1884

J. A. Edison Esq

Collections, & Dis-

Jan	17	503. 35
	18	507. 36
	19	607. 80
	21	290. 74
	22	411. 37
	23	335. 09

La

2457 21

409.70

per day

1659727
21679727
839863

The Edison Electric Illuminating
Company of New York,
45 Fifth Avenue.

New York, Feb 10 1884

Wm N Edison &
Present

Collections. 1st Dist.

Ag 6 324.81

7 282.82

8 739.64

~~11 1587.27~~

449.09

per diem

The Edison Electric Illuminating
Company of New York,
45 Fifth Avenue.

New York, July 14 1884

J. M. Edison

Collector, 1st Dist.

July 7	241.71
8	391.27
9	550.13

La.

The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

New York, July 16 1884

Lt. Edison
—Ans—

Collection 1st Dist.

July 11 388.90

12 331.43

13 348.16

Ed

The Edison Electric Illuminating
Company of New York,
15 Fifth Avenue.

New York, July 20 1884

J. N. Edison

Frank

Collector 1st Dist.

July 14 738.66

15 618.10

16 443.59

M.

The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

New York, March, 1884.

L. A. Edison
Account
Collection 1st Aint

Feb 25	319.00
26	600.00
27	996.54
28	503.00
29	638.00

Total for month of
February \$9801.97

Ed.
E

Mr. Insull:-

Referring to your memorandum of the 4th inst.
about orders for our New England Department, we beg to advise you
that no orders should be sent to you direct, and you will please
fill no orders except they come through my office.

Yours,

J. M. Buchanan

MAR 5 1884

Emory W. Mace

1988 2 MAY

Envtl Note & Fall
Notes

Notes

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THOMAS A. EDISON,
No. 65 FIFTH AVENUE,

NEW YORK

1884

C. E. Chinnard

207 Pearl St
N.Y.

My Dear Sir: In referring to the
attached, will you very kindly
allow them to be sent to deliver
this gift which is to be
used in connection with
our work at Pearl Street.

Very truly,
Yours

Thomas A. Edison

B. J. Chinnard

Please return attached with yr
reply by bearer

JOHN ABENDROTH, President & Treasurer.

W. H. LEITCH, Secretary.

JOHN B. ROOT, Superintendent.

ABENDROTH & Root MFG Co.,

MANUFACTURERS OF

ROOT'S SECTIONAL SAFETY BOILERS,
MACHINERY AND GENERAL CASTINGS,
ROOT'S SPIRAL METALLIC TUBING,
GALVANIZING IN ALL ITS BRANCHES, &c.,
PLAIN AND CORRUGATED SHEET IRON, &c.

AGENTS,

SARGENT'S PATENT ADJUSTABLE ELBOWS,
GLOBE VENTILATORS.

Office and Warehouse,
28 CLIFF STREET, N. Y.

New York, *Sept 15* 188*6*.

*Thos. A. Edison &
65 - 5th Ave. N.Y.*

*For Your order 1051 specifies 4' of
9" pipe to be del'd to W.D. Birch
of E. E. M. Co. 250 Canal St. N.Y.
- The young man in charge
there takes it upon himself to
refuse to receive said pipe, in
spite of the fact that we have shown
him your order. It is now at
our store 28 Cliff St. but is of
course very much in our way and
we hope you will arrange to re-
move early a Monday - Order 1052 was
shipped to Regan & Co.*

Abendroth & Root Mfg Co.

THOMAS A. EDISON,
Central Station, Construction Dep't,
NO. 65 FIFTH AVENUE.
NEW YORK.

Form M.
W. D. RICH,
SUPT OF CONSTRUCTION.

27th March 1884

Address reply to _____

Mr. Sigs,

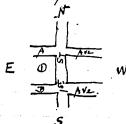
Would you kindly request the camera fix, not to pin the photo
together, as it is a great nuisance for me when I make the camera fix,
especially when it put the faint pictures like Mr. Wilks does. =

Please request Mr. Cooke to number his photo & make an
index of his blocks, as he requested to do several times; - please also request
him to place at top of camera of each block face, the corner
at which he starts (which he already does) & also to state at what
corner he finishes; Mr. Cooke very often makes mistakes in the points
of the camera, & the consequence is a great mixing up. -
Let him do as follows: - i.e.

Block no. 1. East End Corner 1st St. at A. Ave

1-C-D

N
C
C
C
C
C
S



North End Corner 1st St. at B. Ave

Yours truly
A. J. Edwards

THOMAS A. EDISON,
Central Station, Construction Dep't.,
NO. 65 FIFTH AVENUE,
NEW YORK.

Form N.
W. D. RICH,
SUPT OF CONSTRUCTION.

20th March 1884

Address reply to _____

Mr. Sewell,

Re New York.

Would you kindly write to a Real Estate Agent requesting him to send you list of property for sale, in the district included between 24th & 42nd Sts & Madison & Eighth Avenues - as near the Center of the district as possible; Corner lots preferable. -

He might also send lots in the same condition in district included between 42nd & 59th Sts & Madison & Eighth Avenues. -

Mr. R. H. Jones has already furnished up with information regarding this district.

Yours very truly
W. D. Rich

Mr. Edison,

7/31/84

I only give a very brief statement of the facts concerning the cost of No. 404. I do not at all decide the way, always is made, as I do not think it is necessary for the public to know our expenses, but will do so if you wish it.

The blocks between 23rd & 24th St. have not been surveyed; I judge they would take in about 4000 lights more, thus making a grand total of about 115,000 lights.

A. J. J. J.

THOMAS A. EDISON,

Central Station, Construction Dept.,

No. 65 FIFTH AVENUE,

NEW YORK.

188

Address reply to.

The New York district, included between 24th & 57th Streets & Madison & 8th Ave., is now mapped out, at a scale of 100' = 1" with every house in its proper position, & in every house we have noted on the map every gas jet, or light of any description in use, with their actual burning time & the result gives us a grand total of 110,614 lights divided as follows:-

Lights in private dwellings,	74,547
Gas jets in Hotels, Stores & Restaurants,	30,048
Hot-water lamps,	297
Two lights,	6
Incandescent lamps,	154
	110,614

The above lights have all been carefully counted by our enumerators, and are actually burning every night, with an average of at least 5 hours per light.

There are many more lights in the above district, but such as only burn 1 or 2 hours per day in the Winter months, using no light whatever in the Summer months, & which from a financial point of view, it would not be advantageous to include.

We have included the United Nations in our district, but not the Street Cops.

Hald

The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

New York, March 31 1884

J. A. Edison Esq.
Brooklyn

Collections W
Mar 24 274
25 446.24
26 217.33

Total collections for March to
26th as above = \$744.⁰³

Sh

The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

New York, April 1st 1884

J. A. Edison Esq
Pays

Collections 1st Dist

April 1 st	270.21
3	227.39
4	434.60
5	193.78
	<hr/>
	1124

La 13
4
52

The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

New York April 4 1887

L. A. Edison Esq

Collections 1st Dist.

March 27	1621. 65 -
" 28	319. 31
" 29.	680. 80

Total Collections for
March = \$ 5808 79

La.

The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

New York, April 16 1884

J. A. Edison Esq.

Collections First District

April 10th 147.81

" 11th 283.35

" 12th 346.57

777.73

Yours Truly
J. A.

[ATTACHMENT]

EDISON ELECTRIC ILLUMINATING COMPANY,
65 5TH AVENUE, NEW YORK.

April 16th 1884

Received from Central Station, 257 Pearl St.

Collections for April 10th

" 11th

" 12th

S. Allen

Total,
CASHIER.

147	81		
283	35		
346	57		
		777	73

The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

New York, April 21, 1884

T. A. Edison Esq.,
President

Collections 1st Dist.

April 14 1884. 13

15 436. 28

16 361. 78

Sa.

OFFICE FIRST DISTRICT.

EDISON ELECTRIC ILLUMINATING CO. OF NEW YORK.

257 PEARL STREET.

New York, April 9th 1884

J. A. Edison Esq

65 Fifth Ave. City

Brooklyn

We will see what we
have on hand for use out
side of the West at 40¢
including pocket They can
be sent of 957 Bow St.
Louis. Truly
Yours
J. A. Edison

The Edison Electric Illuminating
Company of New York,
15 Fifth Avenue.

New York, April 23^d 1884

J. A. Edison Esq.

Present.

Mem. Collections 1st Dist.

April 17 \$154.99

" 18- 170.24

" 19-1100.27

Yours Truly



The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

New York, May 1st 1884
J. A. Edison Esq.
Present

Collections 1st District

April 24	215 31
" 25	358 53
" 26	345 78 \$919.62

Yours Truly
A.

h

OFFICE FIRST DISTRICT.

EDISON ELECTRIC ILLUMINATING CO. OF NEW YORK.

257 PEARL STREET.

New York, May 8th 1884.The Edison Construction Department
#65 Fifth Ave.

Gents:-

Please send an Engineer
to the Central Station to examine
the structure that supports our Dynamos.
It needs prompt attention.

Yours truly,

L. E. Higgins
Supt. &c.

THOMAS A. EDISON,
Central Station, Construction Dept.,
No. 65 FIFTH AVENUE,

Form H.

New York, 10th May 1884

S. Insull Esq.

Dear Sir

Herewith please find
report on Pearl St Station wrought
iron structure.

Vibration could be considerably
reduced by shifting some of the
"Pumbos" to same level as boiler
room floor. This suggestion not
official.

Yours very truly
Charles E. Whiting

E

Mr. Edison,

At Mr. Chinnock's request, and on his recommendation, I have, in behalf of the Ill. Co., given Messrs Rennie & Smith authority to wire for the Edison light, under Chinnock's superintendence. The authority is only temporary. It can be terminated at any time, and they are strictly under our control.

S. R. Eaton

May 13th. 1884.

per Mc.G.

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE,

NEW YORK, May 13th, 1884. 188

Form 2 U. 1000-3-11-81.

C. E. Chincock, Esq.

257 Pearl Street, City.

Dear Sir:-

Mr. Edison has requested me to write and ask you if you cannot arrange to put a 1 H.P. motor in the "Mail & Express". He says he can make arrangements so that they will not have to use it after dark.

Yours truly,

Saml Insull

Mr Insull
Certainly, your
friend shall be made happy
Yours

Chincock

May 14th / 84

THOMAS A. EDISON,
Central Station, Construction Dept.,
No. 65 FIFTH AVENUE,

Form L. 1000-4-21-94.

New York, May 17 1884

C. C. Chinnock, Esq.
257 Pearl St.
City

Dear Sir:

Mr. Edison has
requested me to ask you
what the objections are
to lighting Hallory's place
which are in your district.

Yours very truly

Sam'l Insley

OFFICE FIRST DISTRICT.

EDISON ELECTRIC ILLUMINATING CO. OF NEW YORK.

257 PEARL STREET.

J. A. Edison Esq.

Dear Sir:

Yours in regard to placing
a motor in the Mail & Express
office at hand. I have called
on Mr Mitchell, and explained
to him in detail the gist of your
letter to me relating to rental, etc.
Mr Mitchell refused to pay any
rental, as he understood the total
expense would be the monthly
charge for current. The true
state of affairs is, that he has
free water from an artesian
well. I promised to lay the
matter before you.

Yours Truly
L. B. Chinnock
Supt.

May 15 he to use
your letter with small
water as indicated
motor with discharge
our own estimate
of current &

The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

New York, May 27th 1884

J. H. Edison Esq.
Present

Collections 1st District

May 19th - 291.25

" 20th - 148.16

" 21st - 196.13

SA

The Edison Electric Illuminating
Company of New York,
65 Fifth Avenue.

New York, May 28th 1884

J. A. Edison Esq.

Present.

Collections from Central Station

May 22^d 52 79

23^d 162 20

24th 1,056 51

J.A.

THE EDISON ELECTRIC ILLUMINATING CO. OF NEW YORK.
35 FIFTH AVENUE.

New York, June 9th 1884
T. A. Edison Esq.

Dear Sir:

The Regular Quarterly meeting
of the Board of Directors of the EDISON ELECTRIC ILLUMINATING
COMPANY OF NEW YORK, will be held at the office of
Wells, Morgan & Co. on *Tuesday*
the *9th* day of *June* 1884 at *2.15*
o'clock *P.M.*

By order

F. S. Hastings

Secretary.



OFFICE FIRST DISTRICT.

EDISON ELECTRIC ILLUMINATING CO. OF NEW YORK.
257 PEARL STREET,

New York June 25 1886

S. Inrell Esq

Dear Sir:

Gh!

McNab Harlin Mfg Co,
56 John St, protests against
paying their bill, and said
They did not see why they should
pay spot cash for our bill,
when they cannot collect
their claims against T. A. Edison
Constructors
notwithstanding the fact of their
calling twice a week since
February

Very Truly

C. C. Chinnors

Supt
R.

1884. Electric Light - Edison Electric Light Company (D-84-027)

This folder contains correspondence, agreements, and other documents relating to the business of the Edison Electric Light Company. A few of the documents deal with Edison's successful struggle to win control of the company. Some of the documents concern the reorganization of the Thomas A. Edison Construction Department. Much of the correspondence is by Sherburne B. Eaton, president of the Edison Electric Light Company. Related material can be found in the Edison Electric Light Company Bulletins (Company Records Series).

Approximately 80 percent of the documents have been filmed. The following categories of documents have not been filmed: routine intraoffice communications; routine correspondence concerning shipments; duplicate copies of selected documents.

GROSVENOR FLOWERY,
Nº 9 Broad St. (Opposite Building)
New York.

1884-01-02

Jan. 2. 1884.

My dear Edison,

1st I wish you a happy New Year &
the success & honour in it, which your labours so highly
deserve.

2nd Please put your personal influence into a search for affidavits by Mr. Illman & three others which have been lost somewhere in my Office or yours, or between ~~the two~~ ^{us}. I want them found & filed for your sake solely, as they are not necessary in any sense for our client Mr. Smith - but are in a high degree important to vindicate you from a scandalous accusation.

The facts are that I received at my Office one day a letter from Mr. Russell written from the New York Herald Office enclosing four affidavits - I think they were enclosed at the time - and by members of the firms of Tiffany & Co. Arnold Constable & Co. & two others denying that they were

1894-01-02

GROSVENOR F. LOWREY,
No 3 Broad St. (Dress & Bulwark).
New York.

induced by you, or anyone acting for you to bring suits etc.
As I was about sending the affidavits received by the U. S. Illuminating Co, in the case of Smith v. U. S. Illuminating Co. to Eaton for his information I enclosed these new papers, just received from Russell also, in order chiefly that they might all be kept together. When the papers came back, it was with a sheet of note paper wrapped around them, on which was an endorsement in your hand writing to the effect that "Life is too short" which I understood to show that the parcel had been in your Office & to mean that you had not time to read them.

The Russell affidavits which I had enclosed with my own hands were not there however & I have not since that time been able to get any more of them, or any duplication of them.

I asked Mr. Auerbach to write & wrote myself to Mr. Robinson & learned from him that he had copies, & that he would get them re. sworn as soon as Russell could be found.

I postponed the final submission for several days, but was obliged to submit.

1874-01-023

GROSVENOR F. LOWREY,
Nº 3 Broad St. (Drexel Building)
New York.

the case at last without them, Mr. Conlison informing me that Russell was out of town & could not be got at.

For your own honor, these affidavits should be filed in this case, - or offered at least - in matter how late. Will you see to it that they are reproduced?

I reserved a right to put them in, & the Counsel of the U. S. Illuminating Co. sincerely intimated that there was probably good cause for their disappearance, & that they never would be heard of again. In the meantime they produced the affidavit of Potter properly entitled & sworn to so as to meet my criticisms at pp. 35, 36 of the Points which I now send you.

Ever truly Yours

R. P. L.

THE EDISON ELECTRIC LIGHT CO.,

65 Fifth Avenue.

New York, January 4th, 1884.

We take this opportunity to remind you that an instalment of 20% on your subscription to Increased Capital Stock of this Company authorized Sept. 24th, 1883, is due to-day as per notice sent you Dec. 17.

Please send check to order of "THE EDISON ELECTRIC LIGHT CO.," accompanied by your certificates, that payment may be endorsed thereon.

F. S. HASTINGS,

Treasurer.

Innell #10

made 27/84

Edison Light Co.
Jan. 9, 1884

Mr. Edison,

The Law Committee of the Light Co. directed me to hire a young lawyer, Mr. O'Callaghan. I believe we can save his salary by giving him certain work outside of the Patent Office and interferences. He is to receive \$1500 the first year, \$2,000 the second and \$2500 the third. We can terminate the contract at the end of any one year, but he cannot. He is to retain his office down town, but is to call here every morning and evening, and be here whenever necessary.

The first thing I shall put him to is the ~~legislation~~ condition of legislation in the various States; also the peculiar features of the Massachusetts statute touching the payment of a license fee to us in that State; also the license between the Light Co. and the Isolated Co. We have a good many questions that require a pretty exhaustive examination of authorities at the law libraries, which I cannot possibly take the time to make, and which would be very expensive if done by the job.

O'Callaghan is thoroughly familiar with patent litigation, in Court, and can take charge of the Sawyer and Man suit against us, in a general way, thereby, in that alone, saving us his salary.

S. B. Eaton

Jan. 9th. 1884.

per Mc.G.

1884-06-12
THE EDISON ELECTRIC LIGHT CO.,
33 FIFTH AVENUE,

New York,

July 19 1884

Mr. Edison,

I mailed a prospectus
to you at the Clarendon Hotel
yesterday, and as you have
not read it will send
another today. I do not
care to have them circulate
in the offices of 65—

Res. H. Clarke
H

THE EDISON ELECTRIC LIGHT CO.,
61 FIFTH AVENUE.

1894-01-23

New York, January 23rd, 1894.

T. A. Edison, Esq.

Dear Sir:-

Will you please meet Messrs. Bergmann, Johnson and myself at my office to-morrow Thursday night, at 8:15, to discuss the proposed contract with Mitchell, Vance & Co.

Yours very truly,

S. B. Eaton,

President.

per M.

SENATE, No. 84.

STATE OF NEW JERSEY.

INTRODUCED JANUARY 28th, 1884,

By Mr. VANDERBILT.

AN ACT relating to cities of the second class.

1 1. BE IT ENACTED, by the Senate and General Assembly of the State of New
2 Jersey, That in cities of the second class in this state, it shall and may be
3 lawful for the common council of any such city, by ordinance or otherwise,
4 to authorize the placing in the streets and alleys of such city, wires and
5 other appliances for electric lighting, and to authorize the laying of conduits
6 in such streets and alleys, underneath the surface thereof, for placing wires
7 for electric lighting therein.

1 2. And be it enacted, That this act shall take effect immediately.

Toulson -
this is to be withdrawn -
another bill will be here
tomorrow -

Joseph Fisher
73 Courtland St
Care of Mrs. Hittway

Form No. 1.

1884-01-29

THE WESTERN UNION TELEGRAPH CO.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been assumed to by this Company and by message agents only, by repassing a message back to the sending station for acceptance, and the company will not hold it for transmission or delivery of Unrepeated Messages, beyond the amount of time paid thereon, nor in any case where the claim is not proven. This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. KENNER, General Manager.

NO.

NUMBER	KEY TO	CODE	CHECK
705	W	Am	268d

Received at **854 BROADWAY.**

Jan 29
 Dated *A. D. Newark N.J.*
 To *A. D. Late*
25 Fifth Ave
 Will call tomorrow morning please mail
 Joseph Fisher American House Trenton
 bulletins from no one to latest also
 large pamphlets called Electric Light.
 This telegram has just been received at the office in 854 BROADWAY, just below Fourteenth Street, where any reply should be sent.
DIRECT WIRES. *7 MARK (W. Laugel)*
 mail today important

1884-01-29

New York, January 29th, 1884.

Thomas A. Edison Esq
DIRECTOR.

Dear Sir:

The Edison system of lighting has been for a year past an accomplished, practical, working fact, but the financial results, as shown by the balance sheets of the three Companies, are disappointing, if not dishcartening.

In my opinion we are drifting toward destruction.

More money will be required, and in the present state of public feeling Stockholders will not respond to our calls on a mere promise of large dividends at some indefinite period in the future.

Now that we have, so to speak, passed the experimental period and are on an established working basis, it is our duty as Directors and Officers to so manage the business that the best financial results shall be secured for the Stockholders.

Whilst I am not willing to assent to any niggardly policy, I must insist on proper economy, and a wiping out of all interests that, in the nature of things, are antagonistic to the best welfare of the several companies.

With these explanations I submit the following suggestions for the purpose of bringing out a general discussion and expression of opinion as to what is best for us to do to develop the Edison System, and place it where it ought to be, a blessing to mankind, and a profit to those who, in their confidence in Mr. Edison, have so freely and liberally advanced their moneys to enable him to elaborate and complete his wonderful inventions.

I beg you to understand that, feeling the necessity that something should be done, I give these suggestions merely as an initial or starting point, or in other words to open up the subject.

The Junior Companies have practically lived up to their agreements with the Parent Company, whilst it, so far as I can learn, has never taken any steps towards protecting them in the rights for which they paid so heavily. On asking the reason, I am told it will cost \$300,000 and take years of time. Further, that opposition Light Companies make no secret of using our patents, and boast they will continue to do so whenever they can make them available.

To merge these differences I suggest to consolidate into a new Company, at about present market value, say COMPANY (give it a short name), Paid-up Capital \$3,120,000, with privilege of increasing to \$ 5,000,000, divided as follows:

Light Company,	\$1,080,000, at 1% new shares for each old share,	\$1,620,000
Isolated,	1,000,000, at share for share,	1,000,000
Illuminating,	1,000,000, at 1 new share for 2 old ones,	500,000
Total,	- - - - -	\$3,120,000

Calling up unpaid instalments on old shares will give us money for our wants for some time. As the Parent Company now has in its treasury a large amount of Isolated and Illuminating Shares, the exchange of these into new stock will leave in the new treasury some \$800,000 of stock.

which could be used in building one or more new stations up town, and in buying out the present manufacturing companies, besides leaving a surplus in the treasury.

Make a new contract with Mr. Edison equitable and just to all parties. I am confident that gentleman will treat in a most generous manner the claims of those (the Stockholders) who, through their implicit confidence in him, have advanced nearly two millions of dollars to enable him to make very costly experiments, and thereby complete his inventions through which he has earned and gained an imperishable fame.

All outside manufacturing companies controlled by any of our own people should, on a fair basis, be brought into the new Company. In the nature of things their interests are antagonistic to ours. It is only human for them to strive for the largest profit practicable, leaving the smallest for us. At all events they will be charged with doing so even if they work without profit.

As a matter of fact public opinion is becoming aroused to this very thing in other corporations, and I do not believe our Stockholders will hold us harmless unless we make some change in respect to this. So far, under force of circumstances beyond our control, we are fully justified in all that has been done in this manufacturing business. There has not been any wrong in it. It was an absolute necessity for the proper development of the system, but the time is at hand for us to take measures for a general reorganization of all these matters.

The cost of introducing the light into buildings must be materially reduced; there is not any valid reason why the plainest and most simple wiring should cost three or four times as much as gas piping for similar service. To do this the business should be thrown open to competition, giving any one the right to wire and supply fixtures, provided he complies with the rules of the Board of Fire Underwriters. Any royalty we may make out of the present system is more than lost in the detriment to our business through enhanced cost to customers.

My faith in the Edison Light is stronger than ever, but to make it a financial success it must be supplied at a price, every thing included, reasonable enough to make it available for the masses.

I believe it can be done.

As we are going on now we shall be worse off financially at the end of the year than we are to-day, but if we can arrange to re-organize our business, take advantage of the hard times to build and install two stations uptown at a reasonable cost to the Company and to the consumer, we will have done a great deal towards bringing the market value of our Stockholders' property, much nearer than it is to-day, to what I believe to be its intrinsic value.

In closing I beg to repeat these suggestions are merely given as an initial or starting point for something better, and are conveyed to you in this manner, rather than verbally at a meeting, for the purpose of giving ample time for the investigation and thought that is necessary for such an important matter, as any radical change should only be made after a mature, careful consideration and interchange of views.

Respectfully,

Anthony J. Thomas

Mr. Edison,

Mr. Shaw says that he was not aware the stock had not all been taken. He says there were plenty of people to take it, but that their trouble with you, and their doubts about the installation &c., have probably discouraged them.

He says his Shamokin syndicate will take the stock immediately, and that he will see them about it on Monday.

S. B. Eaton

Feb. 2nd. 1884.

per Mc.G.

P.

*Thin - Harris can't compete with
Shaw*

S

Rowland P. Hazard, President.

El. Light - Gen.
Robert W. Blackwell, Secretary

The Gramme Electrical Company.

115 Broadway.

TELEPHONE "BOO. NEW."
CABLE ADDRESS "GRAMME"

SHAREHOLDERS.
THE BRUSH ELECTRIC COMPANY.
THE EDISON ELECTRIC LIGHT COMPANY.
THE FULLER ELECTRICAL COMPANY.
THE JABLONKOFF ELECTRIC LIGHTING CO.
THE THOMPSON-HOUSTON ELECTRIC CO.
THE UNITED STATES ELECTRIC LIGHTING CO.
THE WESTON ELECTRIC LIGHT COMPANY.

New York Feb. 8th 1884

Dear Sir:

Mr. Hastings mentions that you have somehow got the impression that our bill before the New Jersey legislature is special and unconstitutional. -

The bill is most general in its provisions, is a public act, & provides for granting authority under conditions precedent. - Is simple, brief, & approved by Mr. Brinkerhoff of the Senate who will introduce it on Monday as his bill and push it to adoption. - Mr. Clarke of the house also approves and will not press his bill, which is special. -

Nothing need be done now, but when the bill is introduced, it will be in order to expedite its passage by all possible means. -

Mr. Clarke and Mr. Brinkerhoff both approve the bill coming from the Senate with a view to speedy passage. -

We sent you a telegram to day, fearing
some complication from the introduction
of a new bill, which will make discussion
and delay. —

Yours faithfully

Romano B. Hayward

To
Thos. A. Edison, Esq.
Menlo Park, N. J.

Mr. Behrens has charge of
this matter & will attend
to it without fail, or delay.

H.

Copy of Telegram -

Feb. 8. 1884.

Senator Brinkerhoff has charge of our bill - It is general in its provisions, carefully considered and will be presented to the Senate on Monday - Clarke of House approves it, and will not press his bill. -

Lizard.

To
Thos. d. Edison Esq.
Monticello Park,
New Jersey.

State of New Jersey

An act to regulate the placing of wires through the
public streets and places. -

Whereas dangers and inconveniences arise from the exposure of wires used for the transmission of electricity, and otherwise, in the public streets, roads and places, of this State.

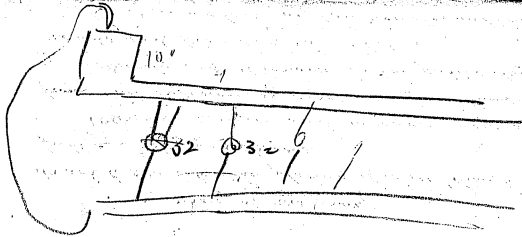
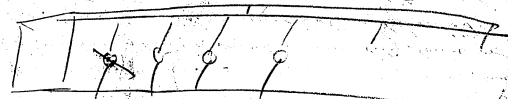
Be it enacted by the Senate and General Assembly of the State of New Jersey.

1-That any company, heretofore, or which may be hereafter organized, and any individual or individuals using the public places, streets, or ways for the placing of tubes, wires or conductors for any purpose, electrical or otherwise, shall, before placing them over or through the streets of any city, town or village, apply to the municipal authorities thereof, who shall thereupon as a condition of consent and authority designate the location and manner of placing such conductors and whether over or underground as may be required for the safety and convenience of the public, and all wires shall be placed as designated and not otherwise. -

2- And be it enacted that this act shall be deemed a public act, and shall take effect immediately. -

[ATTACHMENT]

[ON BACK OF PRECEDING PAGE]



Mr. Hastings,

If this means Phila., we propose to exhibit if
we can get a place apart from the arc light. Please write
Babcock & Wilcox so. Tell them we will put in a good word for
them if we can.

Feb. 19th. 1884.

S. H. Eaton

per Mc. R.

*Mr. G. Pull
I have attended
to this*

Small

I think the
Light-Company will
make an exhibit. Per-
haps both Cos. It is left
with May Eaton.

JV

Mr. Insull, You are evidently right. The party who complained was Borden's cousin. Doubtless he has repented, is afraid that the complaint will reach Mr. Edison's ears, hence this letter. In other words, they fell that they have a grievance, but do not want to complain to Mr. Edison's face.

S. B. Eaton

Feb. 20th. 1884.

per Mc.G.

C. A.

The Edison Electric Light Company,
65 Fifth Avenue,

New York, February 23rd, 1884

S. Bergmann, Esq.

City.

Dear Sir:-

The Light Co's Special Committee on Manufacturing and Reorganization will meet next Thursday evening. They will expect me to be prepared to furnish information about the various manufacturing industries connected with our business, and I am therefore addressing a note to all four of the shops, inviting answers to the following questions, which I wish very much you would reply to in behalf of Bergmann & Co.

(1) What is your present capital and what is the total amount of money now employed in your business? Please state how much is invested in plant, with such other details of investment as you are willing to give.

(2) What is the total amount of business done since you commenced; how much during the year 1883; how much in January 1884; what proportion of each of these amounts went abroad, that is to say to any other part of the world besides North and South America, which is the territory belonging to the Light Co.

(3) Have you conducted any business not connected with electric lighting, that is to say if you have been engaged in any other kind of manufacturing, please state what it was and whether the amount is included in your answer to the next preceding ques-

tion.

(4) How profitable has your business been?

(5) Taking your business for the year 1933 as a basis, how much cash capital would be required to handle the business in the most advantageous manner, outside of present permanent investment in machinery, real estate and plant?

It is proper for me to say that we do not claim the right to ask you these questions, and that we shall accordingly esteem your willingness to answer them not only as very courteous treatment on your part, but also as an indication that you are disposed to render the Committee every assistance in getting at the exact status of the four manufacturing enterprises connected with our business. Will you kindly favor me with such reply to this letter as you may see fit to make, by next Thursday morning?

very truly yours,



President.

Ch. Bergmann

Referring to my letter of last Saturday soliciting certain information for the use of the Committee on Manufacturing and Reorganization next Thursday evening, will you kindly include in your answer replies to the following additional questions:

(1) Has your company, or any one acting for it or in its interest, made any inventions, applied for any patents, or taken out any patents connected with your business? If so, please state how many and the subject matter of each, also whether they have been assigned to the Light Co. or not, and what they have cost.

(2) Have you any arrangement with outside parties for the use of patents upon payment of royalty or other compensation, or have you purchased any patents from outside parties in any way bearing upon our business? If so, please give full details, including cost.

(3) Looking at matters retrospectively, with the experience gained in developing the business, please state whether you have invested more money in ~~an~~ machinery or other plant than would be necessary, in order to develop the productive capacity of your present plant. If mistakes of this kind have been made, kindly give details of them, including the cost.

Let me urge upon you the importance of having your replies to my questions at my office not later than Thursday morning 28th. 1894.

S. B. Katon

Feb. 25th. 1894.

per Mc.G.

Mr. Edison,

If I remember aright, I asked for a copy of the estimated running expenses and profits of the Utica plant, a week or two ago. Will you kindly have a copy made? You may remember that the originals were prepared last Autumn, but I brought them back from Utica with me. Mr. Crouse now wishes a copy of them, viz., estimated profits and estimated running expenses.

S. B. Eaton

Feb. 28th. 1884.

per Mc.G.

G.

Mr. Insull:-

Mr. Dyer informs me that your office received a cable some time ago from Mr. Batchelor saying that the Stockholm patents had been vacated. Can this be so? It seems to me I am entitled to know all such highly important information as this, and not be placed in the position of learning it by chance from other sources than your office. I hope there is some mistake about it, and that it will not turn out that such important information has not been made known to the officers of the Light Co.,.

If such a cable was received, will you kindly tell me what the substance of it was?.

(signed)

S. B. Eaton.

March 1st. 84.

(Copy)

h

(copy)

Mr. Insull:-

Referring to your mem. giving news about 7 or 8 village plants, let me suggest that you send the original letters to me instead of giving me a summary of them. I am especially desirous of this because the statements made in your memo are quite in conflict with private information which I got from other reliable sources, and it raises in my mind the same old doubt as to whether I am kept fully informed of both the good and the bad from your office up stairs. If you send me anything at all please let me have all the original documents themselves, that is to say all the letters from the various agents and employees.

(signed) S. B. Eaton

March 1st 1884.

Tough

Mr. Inghill,

When you were abroad and in Italy, did you make any inquiry about our proposed legislation there, so as to prolong the life of the Italian patents touching their effect on the American patents here? Did you do anything about it.

I am on the point of writing Mr. Bailey still another letter asking him to give that matter his attention, but before doing so would be glad to know what you learned about it.

S. B. Eaton

March 1st. 1884.

per Mc.G.

The Edison Electric Light Company,
65 Fifth Avenue,

New York, March 3rd. 1884.

STENOGRAPHIC.

Thomas A. Edison, Esq.

65 Fifth Avenue,

City.

Dear Sir:-

At the direction of the Committee on Expenses, I enclose herewith a copy of their Report dated Feb. 19th. 1884, to which I would call your careful attention. Kindly acknowledge receipt of same in order that I may know that it has reached its proper destination, and oblige.

Yours very truly,

F. L. Hastings

Secretary.

per D.

Mr. Insull,

When you were abroad and in Italy, did you make any inquiry about our proposed legislation there, so as to prolong the life of the Italian patents touching their effect on the American patents here? Did you do anything about it.

I am on the point of writing Mr. Bailey still another letter asking him to give that matter his attention, but before doing so would be glad to know what you learned about it.

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per Mc.G.

The Edison Electric Light Company,
65 Fifth Avenue,

New York, March 3rd. 1884.

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City.

Dear Sir:-

At the direction of the Committee on Expenses, I enclose herewith a copy of their Report dated Feb. 19th. 1884, to which I would call your careful attention. Kindly acknowledge receipt of same in order that I may know that it has reached its proper destination, and oblige.

Yours very truly.

F. S. Hastings

Secretary.

msd.

6

Mr. Insull,

Mr. Bergmann decided not to try Mr. Spencer Trask's patent fuel in the shops. I told Mr. Trask that perhaps it could be tried at Goerck street. Will you kindly communicate with him about it? Of course the Light Co. is anxious to have it tried, because if it is only half what Mr. Trask thinks it is, it will be a valuable adjunct to our business.

S. B. Eaton

March 4th. 1884.

per Mc.G.

T. A. EDISON,
62 Fifth Avenue.

Ed. Light-
Edison E. L. Co.

New York, March 4th, 84, 188

Mr. Tomlinson:-

Ought we not to arrange for a formal taking over
of the Machine Works by the new Company? And ought not Bergmann
& Co. to arrange for a formal taking over of their business?
And ought we not to issue a circular in relation to it?

Was such a circular ever issued in connection with the
Lamp Company, or any formal assignment of the business made?

Yours truly,

T. A. Edison

The delivery of the assignments of the
of sale is all the transfer
necessary - It would be well
to notify further from whom
you purchase.

Mr. Insull,

Please send me one of the printed copies of the
blank agreement proposed to be used between Thomas A. Edison and
the Edison Electric Illuminating Company of New York.

S. B. Eaton

March 8th. 1884.

per H.C.O.

THOMAS A. EDISON,
No. 65 FIFTH AVENUE

NEW YORK,

2nd Mar 1884

S. Allen

Your memo
about unpaid subscriptions
received

How old subscriptions
to right to stock & etc.
undoubtedly of same
you say nothing
about this

Saml Insull

This, amtg to 470,000 shares
a \$47,000 was credited
to Mr Edison's credit
in September last on
account of patents
made for

The Edison Electric Light Company,
65 Fifth Avenue,

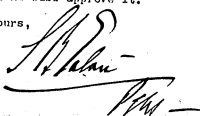
New York, March 17th, 1884.

The Thomas A. Edison Construction Department,
City.

Dear Sirs:-

After the conference that took place this morning between Messrs. Upton, Moore, Johnson, Insull and myself, I venture to take the responsibility to ask Mr. Insull to order a new engine 11 X 14, to be run if possible at 250 revolutions, for the Bellefonte plant. Mr. Moore says he will take the old engine back and credit the price on the new engine. My reason for giving this order in the absence of Mr. Edison, is that all the parties admit that the lights at Bellefonte are very irregular, giving dissatisfaction and causing large lamp breakage, owing to the bad regulation of the engine, which Mr. Moore says cannot be corrected until the engine is brought back to the shop. All parties further admit that the present engine is not large enough. While there may be no great hurry about that, doubtless the bad regulation ought to have immediate attention. Consequently I take the liberty of asking you to change the engine at once, without waiting for Mr. Edison's return, trusting that he will approve it.

Very truly yours,



Mr. Insull, The Committee on Expenditures are dissatisfied with the Testing Room expenses! I persuaded them to insist on no change being made until Mr. Edison returns. I believe he has always intended to have the Machine Works pay us for their testing, but am not sure of it. I only mention it now so that in case the complaint reaches you, that they are dissatisfied with the expense, you will know the position I have taken, viz., that the whole matter ought to be laid over until Mr. Edison returns and that he will then do what is fair about it.

S. B. Eaton

March 17th, 1894.

per Mc.Q.

Major Eaton:-

Some correspondence has come to me from Mr. Hutchinson, which I notice that Mr. Soldan has been written to, with relation to business in connection with the Machine Works.

The business of the Machine Works is conducted by us in this office, and we would therefore feel much obliged, if any matters are in dispute, you will write us in relation thereto, as otherwise delay must occur in consequence of all such matters having to be ultimately referred to this office.

I am now in communication with Mr. Hutchinson as to the claim he makes of \$15- for wrong shipment of an armature.

Saml. Insull

By. H.

March 19th, 84.

O. K. Will do it
Weebly EP

Mr. Insull,

Returned from Boston this afternoon with Mr. Upton. We missed connection last night by a minute. Had to stay all night in Boston.

I have your note saying that Mr. Edison may not leave until the 28th. I suggest that you telegraph him asking for permission for the shops to give those figures to the Committee of Directors. They wanted me to telegraph Mr. Edison to come home, but I told them he would be back this week. In view of his delay in starting, I think it would be well for the shops to get permission to present their figures without waiting for Edison to return. Then the Committee will be all ready to talk matters over with Mr. Edison when he gets here.

I assume that Mr. Edison will not object to having the figures given. Of course I have no right to make that assumption, but make it for what it is worth.

The Brockton and Fall River plants are good. Brockton especially so, where the show in the various installations is the best I have ever seen.

S. B. Eaton

March 22nd. 1884.

per Mc.G.

STATE OF NEW YORK.

No. 324.

IN SENATE,

March 25, 1884.

Introduced by Mr. DALY—read twice and referred to the committee on miscellaneous corporations—reported from said committee for consideration of the Senate and committed to the committee of the whole and made special order for Thursday, March 27.

AN ACT

In relation to telegraph and electric light companies
in cities of this state.

*The People of the State of New York, represented in Senate and Assembly,
do enact as follows:*

SECTION 1. All telegraph, telephonic and electric light wires and cables used
in any incorporated city of this state, having a population of five hundred thou-
sand or over, shall hereafter be placed under the surface of the streets, lanes and
avenues of said cities.

§ 2. Every corporation, association or person owning or controlling telegraph,
telephonic, electric or other wires and cables, including what is known as tele-
graph poles, and other appurtenances thereto, shall, before the first day of
November, eighteen hundred and eighty-five, have the same removed from the
surface of all streets or avenues in every such city of this state.

§ 3. In case the owners of the property above enumerated shall fail to comply
with the provisions of this act within the time herein specified and limited, the

(Senate, No. 324.)

1

(L. 1, § 6, O. 344.)

*I hope for its passage in
the Assembly. J. J.*

§3 "local governments" of the said cities of this state shall then, and they are
4 hereby directed to, remove, without delay, all telegraph, electric light and such
5 other wires, cables and poles, wherever found above ground, within the corporate
6 limits of their respective cities.

1 § 4. No city in this state shall grant any exclusive privilege or franchise under
2 this act to any corporation or individual by which a monopoly may be cre-
3 ated or competition prevented on equal terms.

1 § 5. This act shall take effect immediately.

EL. LIGHT CO.
Edison EL. LIGHT CO.

Mr. Edison,

Has the property of the Lamp Co. been turned over to a corporation? You know the Light Co's contract was with you as an individual. If you are going to transfer the title to the property to a corporation, do you not think you ought to first get the Light Co's consent, provided the Board of Directors are willing to give it. I will bring the matter before the Board if you desire.

S. B. Eaton

April 4th. 1884.

-per H.C.G.

DEFECT BOOK REPORT FOR WEEK ENDING APRIL 12th. 1884.

Defective lamps.	<p>Western Edison Light Co., Chicago, March 28th. 1884.</p> <p>Until within a few months our customers had no trouble with lamps, they outlasted the guaranteed life. Recently lamps used under exactly same conditions and same service as former ones, have failed to give satisfaction. The lamps continue to copper.</p>
Keyless nickel rubber sockets.	<p>In the keyless nickel rubber sockets the shell fits over the flange. This tends to lead the water into the socket instead of shedding it. We have found in the paper mills at Appleton that this is a serious fault.</p>
New water-proof plugs.	<p>The new water-proof plugs which you are now furnishing us, prove to be absolutely worthless, we have tried them thoroughly at the Best Brewery, where there is a great deal of moisture, and they crumble to pieces. Cannot you give us a porcelain plug?</p> <p>On attempting to remove the cap on these plugs the top breaks away: then the plugs must be dug out of the cut-outs.</p>
Pulley on 100 lt. Armature.	<p>Pulley on 100-light armature is only held in position by set screws. These are not strong enough to stand the strain. The pulley slips on the shaft. We think these pulleys should have a key, under the set screw.</p>
Dynamos at Baltimore Sun.	<p>Defect reported in the dynamo at Baltimore Sun: leak between commutator and collar, caused by accumulation of copper dust and oil in the holes in the face of the collar, which are used to take it off or put it on. Would suggest that these holes in all collars be counter sunk and tapped for a flat head screw, which will prevent the oil &c. from collecting and causing this trouble. This collar is badly burned, and the only thing to be done now, is to be particular and keep it clean. I notice that the bearings run very much cooler since I fixed the collar.</p>
Eye bolts in dynamos.	<p>Eye bolts in dynamos are made of very poor iron, and are not sufficiently strong to sustain the dynamo. At Albany the machine fell and cracked bed-plate.</p>

S. B. EATON.

President.

Mr. Edison -

Borden may be here
tomorrow - Should he argue
abt his contract, & you,
please dont let in in =
fluence you till you hear
my side. from me -

I will state my
best you will say I am
right.

OK Edison
~~SAE~~
4/16 P

Mr. Insull,

Do you not think you had better answer this letter yourself, instead of my doing it? I assume from you mem. that such is your intention.

It is queer equity, as Mr. Edison says, for him to bear the expense. Let me suggest that you keep a separate account of whatever expense there may be, and hereafter we will consider who ought to bear it. We are all interested in making the Shamokin plant a success. In fact that must be done, even if the Light Co. has to bear all the expense itself.

I leave you to reply to the letter.

S. B. Eaton

April 23rd. 1884.

per Mc.G.

A. G.

24th Apr 4

S. R. Eaton Esq
President

Eaton Electric Light Co

Dear Sir

1. Being to the fact that I am rapidly finishing up the outstanding work in connection with the Construction Department and that the Agents of the Light Company are not forming any new Companies and that in consequence I am not getting any new contracts I find myself in the position of being obliged to immediately disband my organization as the expenses in connection with it are too large to allow of my continuing it unless I have work in hand.

Very much regret being

compelled to take this course
and in as much as it has been
suggested that the Isolated Company
should take in hand the work now
being performed by the Construction
Dept. I would suggest that the matter
be considered and an immediate
decision arrived at. Otherwise a
staff of the best men in the Service
and which has cost considerable
time and money to organize will
have to be disbanded, and immediately
further local Companies are formed
all the labour and expense of
organization will have to be again
incurred.

I shall be happy to supply
you with any information you may
desire as to the expenses in connection
with the running of the Construction

Department.

Urging upon you the
necessity for prompt action
upon this matter,

Sincerely,

Very truly yours,

Thomas A. Edison

[TO HENRY VILLARD]

25th - Apr. 4

Friend Villard,

I have concluded not to take hold of the Eight Company business upon the term indicated by you at our last interview. I have written to the Eight Co. that I would be pleased to have over the skilled men in my construction Department either to the Eight Co or Isolated Co as it is impossible for me to continue to stand the expense of my present organization in as much as the Eight Co's Agents are not forming any new companies and I am consequently not getting any more contracts. If they decide not to take over this organization I shall disband it as quickly as circumstances will permit.

Regarding the question of management my associates are willing to give the Eight Co various percentages on the gross

sales and to submit to a limitation
of profits in some form to be agreed on.
The percentages would vary with
each Factory and depend upon the
amount of work done in each year.
My associates & myself believe however
that it would be a great mistake for
the Light Co to derive any profit from
the Factories. The Company should
merely restrict the Shops as to the
amount of their profits in as much
as the strongest argument the Light
Co. can make in negotiating with
Local Companies as to licenses is that
they have no interest whatever in
the profits derived from manufactures
but that they (Light Co) look for their
profits to the same source as do the
Local parties in interest with them viz
Dividends on their stock holding in
the local Illuminating Companies. We

shall however be ready to state
the various percentages we are
willing to give whenever we are
called upon to do so.

Very truly yours

Wm. C. Clegg

Will Messrs Edison, Insull, Johnson and Upton kindly attend at my office, No. 65 Fifth Avenue, Monday evening, April 28th., at 8-15, to discuss what should be done with the present business of the Construction Department, on the hypothesis that Mr. Edison may disband his present organization?

A meeting of the Light Co's Committee on Manufacturing and Reorganization is likely to be held on Tuesday, at which I shall be asked, I am notified, to express my views on this question.

It would therefore be of great value to me to have the benefit of a conference with the gentlemen above named prior to Tuesday's Meeting.

I have purposely limited the number invited to attend the conference to those mentioned above.

S. B. Eaton

per Mc.G.

April 26th. 1894.

THOMAS A. EDISON,
No. 65 FIFTH AVENUE,

NEW YORK, April 28th, 84 1884

S. B. Eaton Esq. President,

Edison Electric Light Co.

New York.

Dear Sir:-

Enclosed I beg to hand you a letter addressed to me by
Mr. John R. Markle, in reference to an option for the city of De-
troit, Mich.

Yours truly,

Thos. A. Edison

[ATTACHMENT]

Mr. Edison,

If you approve, I am quite willing to give Markle
an option until Sept. 1st. for the city of Detroit. I would
make it one sided, providing that if he did not succeed by that
time he would forfeit all he had done absolutely. Do you agree?

S. B. Eaton

April 29th. 1884.

per Mc.G.

S

*Markle seems very small fry. I
think he better be kept at his small home, it's that way
when he gets one of them going to let him for the Detroit pick.*

The Edison Electric Light Company,
65 Fifth Avenue,

STENOGRAPHY

New York, May 3rd. 1884. 188

S. Insull, Esq.

City.

Dear Sir:-

I enclose herewith a letter received from the Chairman
of our Committee on Expenses, asking for certain detailed information in regard to Mr. Edison's weekly Laboratory expenses. Will you kindly see that these details are given, and return the letter to me after reading.

Yours very truly,

J. Hastings
Secretary.

*Do it
Edison*

*Randolph notified
to give details asked
for by Chairman of Com.
May 5th/84*

STENOGRAPHIC
STENOGRAPHY

The Edison Electric Light Company,

65 Fifth Avenue,

New York, May 6th, 1884, 188

Samuel Insull, Esq.

City.

Dear Sir:-

In reply to your memorandum of the 2nd. inst., asking for information as to the nature of the particulars in regard to your account for canvassing &c., asked for by the Committee on Expenses, I beg to state that your request has been referred to the Chairman of that Committee.

Yours very truly,

J. Hastings
Secretary.

4

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE.

I must I want to attend
New York, *May 8* 188*8*
Mr. Edison Esq.

Dear Sir:

A

meeting

of the Board of Directors of the EDISON ELECTRIC LIGHT CO.,
will be held at the office of

Quel Morgan & Co on *Thursday*
the *8th* day of *May* 188*8* at *3.15*
o'clock *P.M.*

By order

F. S. Hastings

Secretary.

L

*The Committee on Man-
ufacturing & Reorganization
will report.*

THE EDISON ELECTRIC LIGHT CO.,
35 FIFTH AVENUE,

New York,

May 7th 1884

Thomas A. Edison, Esq

Dear Sir:

I beg to hand you herewith
a copy of the Report of the Committee
on Manufacturing and Reorganization, which
will be presented at the meeting of the
Board of Directors tomorrow afternoon.

Yours respy

Henry Villard

Chairman

per M

Mr. Edison,

The first reason was that the case is now in splendid shape and delay could only operate to enable the enemy to make his part of the case stronger.

The other reason was that the matter was all now fresh in the minds of the counsel and they would not have to spend time in studying the thing up.

These were the only reasons.

S. B. Eaton

May 8th. 1884.

per Mc.G.

*They have taken all their
testimony I must see how
they are going to make it
stronger. Counsel can easily
refresh their memory at any time.
E*

Mr. Edison,
Mr. Dickson, Testing Room, has an assistant to whom we
pay \$10 a week. I believe you propose to shut up Goerck street
in a few days. Don't you think we had better let the assistant
go? I suppose we had better keep Mr. Dickson, although the shop
is closed? Please give me your views.

S. B. Eaton

May 9th. 1884.

per Mc.G.

*Answer him that I think he will
have to keep both for a while yet.*

Mr. Edison,

Now that I have got the expenses of the Light Co.
and the Ill. Co. well in hand, I am turning my attention more
closely to the Isolated Co.

Here is their monthly pay roll everywhere. You see it
is a pretty large amount. We must see if we cannot put the
knife in somewhere and reduce it. It includes everything except
Mr. Hutchinson's salary.

S. B. Eaton

May 10th. 1884.

per Mc.G.

Mr. Edison,

Here is the report of the Committee on Expenditures,
Light Co., for the first quarter of this year. It includes
everything that was put on the books during the last 3 months.
A good many things therefore relates to last years business, al-
though they did not get entered until this year.

We must ^{put} the knife into our expenses still further.

I guess I must take up the Isolated expenses in the same
way. It is this question of expense that takes the money.

S. B. Eaton

May 10th. 1894.

per Mc.G.

M

Edison Electric Light Company
Three months statement 1st Jan'y to 31st March 1884

Expenditures	Jan'y	Feb'y	March	Totals
<i>Administrative Expenses</i>				
General	122 82	805 29	156 61	1084 72
Bulletins	442 49	2 00	30	444 79
Legal Exp ^s	215 40	144 25	115 40	475 05
Directors Fees	150 00	160 00	80 00	390 00
Stationery & Printing	319 99	205 88	39 66	565 52
Salaries & Wages	1614 68	1599 79	1609 26	4823 73
Postage	37 31	18 05	18 76	74 12
Tea & Groceries	219 06	163 27	127 44	499 77
Engineering	567 27	172 70	201 42	941 39
Interest	1479 19			1479 19
Grants &c	166 66	166 66	166 66	499 98
Agents Salaries & Exp ^s	703 93	684 75	676 09	2064 77
Sawyer & Mann Exp ^s	79 50		100 00	179 50
	6118 30	4083 64	3291 89	13493 83
<i>Experimental Expenses</i>				
Edison Laboratory	507 13	707 62	88 89	1303 64
Experimental General	937 84	70 83	38 34	1047 01
Electric Railway	11 91			11 91
Gas Engine Exp ^s		150 73		150 73
	1456 18	929 18	127 23	2512 59
Surveying & Estimates	171 18	46 96		218 14
Commissions (last sub. comp ^s)	572 00			572 00
Travels	722 25			722 25
<i>Expenses</i>				
Fees, Exp ^s & Retainers	1980 50	181 25	122 80	2284 55
Exp ^s in Mexico			100 00	100 00
Edison & Experimental Plant				25
Expenses				
Expenses	1588 78	3262 67	22 60	4874 05
Office Furniture & Fixtures	45 94	17 00	3 00	65 94
Tea & Groceries		21 80	61 25	83 05
	45 94	40 80	64 25	151 00

Open Accounts

Advances returned	200	00					200	00	
Edison Machine 10150	10	25					10	25	
Paulsen & Co	19694	16					19694	16	
S. A. Messia	28	57					28	57	
Lourenco & Co	24	88					24	88	
Paris & Co	34	50	248	53			285	93	
Fabre & Chaussegny	750	21	3582	21			4332	42	
New England Dep ^t	640	74					640	74	
S. Remond & Co			87	14			87	14	
Light & Force Co			5	50			5	50	
J. B. Edison						56	98	56	98
Western Edison & Co						227	14	227	14
Harry O. Smith						129	60	129	60
	2,385	31	3873	38		413	62	2567	31

Payments & Receipts on account
of Business of previous years

Exhibition & Experiment Plant

Expenses 12676 16 12676 16

Exhibits 22554 91 22554 91

Administrative Expenses 35231 07

Lighting 65 S. Ave 2319 44 2319 44

Rent Testing Room 250 00 250 00

87590 51 87590 51

Credits

Administrative Expenses

Rent 65 S. Ave & 100 S. Ave 7999 58 7999 58

Salaries &c 1298 56 1298 56

Experimental 638 91 638 91

Gas Engine Expenses 162 27 162 27

7 05 162 27 9999 32

Canadian Receipts

Lamp Fixing	13 25			13 25
Canadian Company	290 00	2 15	1 16	293 31
Installations	86 71			86 71
Ottawa	258 91	893 40	22 75	677 06
	648 87	327 55	23 91	1070 33

Open Receipts

J.A. Edison	2239 58			2239 58
S.S. Illuminating Co.	1999 47		286 51	2285 98
Western Edison Light Co.	29 00	6 90		35 90
Edison, Jule Co.	7 00	9 00		16 00
Benjamin & Co.	249 87			249 87
S. Randall & Co.	311 64		233 15	544 79
Newport Torpedo Station	22 08			22 08
Electric Railway Co.	13 50			13 50
R.R. Howard	150 00			150 00
Municipal Electric Co.	4098 58			4098 58
Bills Payable	7500 00			7500 00
Supply Samples		43 74		43 74
E.A. Meade		1 00		1 00
Ohio Installation Co.		1047 70		1047 70
Installed Co.		669 01	1577 28	2246 29
Edison Machine Works			139 20	139 20
Advances			100 00	100 00
	16620 72	1777 35	2336 14	20734 21

Receipts

Capital Installments	43691 90	534 10	197 20	44423 20
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Income Receipts

License Cash	1750 00	1000 00		2750 00
Dividend Interest Co.	15300 00			15300 00
Interest		6 24		6 24
	17080 00	1006 24		18086 24

Sundry Receipts

Receiving Department	67 40			67 40
Supply Samples	22 20		149 60	171 80
Canadian Installations		222 14		222 14
Exhibition Plant			9 45	9 45
	89 60	222 14	159 05	470 79

Recapitulation									
Expenses	Administrative	6118	30	4083	64	3291	59	13493	53
	Experimental	1456	18	929	18	127	23	2512	49
	Campaign & Estimates	171	18	148	96			320	14
	Commissions	570	00					570	00
	Taxes	720	00					720	00
	Patents	1980	50	181	35	1122	80	3284	65
	on accounts / previous years	11416	16	5243	13	4541	62	20701	91
	Subsistence Board	37800	51					37800	51
	Office Furn ^{re} & Testing app	1508	78	3262	67	22	60	4844	05
	Canadian accts	4895		140	85	64	25	151	00
	upon Receipts	648	87	897	55	23	91	4070	33
		16620	72	1777	35	2336	44	20734	21
		57690	99	10821	60	6988	62	85501	01
Receipts	Capital	43691	90	534	10	197	20	44423	20
	Income	17050		1006	24			18056	24
	Sundry	89	60	232	10	159	05	480	75
	upon Receipts	21385	31	3873	38	413	62	25672	31
	on Recd previous years	9837	25			162	27	9999	32
		92053	86	5446	82	932	14	98531	82
Total Expenditures		Three months		85501		01			
accts payable unpaid 31 st Decem ^r		15653		47					
do do 31 st March		9922		82					
Decrease				5730		65			
Cash Balance 31 st March		11265		68					
do 31 st Decem ^r		3865		52					
Increase				7400		16			
				98631		82			

Mr. Insull, Will you please let me see for a moment copies of the estimates for Cumberland, Md. I believe they were sent three or four days ago, and I would like to look at them just for a moment. If you will kindly send them down I will send them right abck by your messenger.

S. B. Eaton

May 10th. 1884.

per Mc.G.

Mr. Edison,

Here are the Light Co's expenses for last month.

You see there were some extraordinary items, notably in legal expenses and patent fees.

My Ill. Co. analysis is not written up for the month of April. If you will drop in my room I will show it to you, or I will send it up to your room if you prefer.

S. B. Eaton

May 10th. 1884.

per Mc.G.

Edison Electric Light Co'y

Statement of Expenses in detail for April, 1888

General ExpensesHouse Expenses

Oil Chimneys, repairs &c 2004		
Telephone	15.35	
Less charged out	35.37	
	<u>20.02</u>	117.9
Bar Paris		17.67
Pelegranes		7.41
Miscellaneous		21.8
Expenses		66.5
Books & Periodicals		60.0
Liquors		7.5
Entertainment		52.0
Travelling & Postings to Newburgh		75.6
Proportion of Light		55.25
" " Rent		194.44
		<u>3117.9</u>
		8257

ProvisionsLegal Expenses

J. S. O'Callaghan		
11 weeks services	115.40	
Dickinson & Dickinson		
Payment on Account	<u>500.00</u>	6154.0

Director's Fees

3 Meetings and Consultation		1600.0
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Mule Park or Laboratory Expense

Watchman	12.00	
Gas	2.92	
Commensation Tickets	15.50	
Carriage Expenses	269.60	
Rent of Laboratory	<u>201.33</u>	5083.5

Patent Fees and Expenses

Bill Belts Attorney "H" Belts	948.02	
Fees Paid by Mr. Dyer	375.00	
16 1/2 Days work 10 yds @ 12	198.00	
Proportion Belts' Expense		
in Washington	333.5	
Copies of German Patent	12.50	1557.07
		<u>8238.69</u>

<u>Stationery and Printing</u>		Not Forward	3238 69
	Pens and Pencils	3.60	
	Envelopes	44.20	
	Lamp Books (for orders)	8.80	
	Central Station Pamphlets		
	* Printing (per Penrynne)	80.50	
	Defect Repairs	7.25	
	Letter Heads	16.40	
<u>Salaries and Wages</u>			11975-
	J. B. Eaton	883.33	
	R. S. Hastings	280.00	
	L. Allen	75.00	
	M. Meadowcroft	125.00	
	Wardson	18.75	
	McGowan	91.00	
	Jimmer	34.67	
	Legier	45.00	
	Miss Liddon	52.00	
	P. Masson	26.00	
	Steffen Janitor	120.00	
	Jimmison Hall Boy	21.65	
	Engen "	21.68	
		163.36	
	Less charged out	102.90	54.46
<u>Postage</u>			1595 21
<u>Postage Expenses</u>			3544
	Wagon Dickson	75.00	
	1 st 1/2 of this belongs to March		
	Marvin	25.01	
	Expenses at Fresh Room		
	for Suppers, Sweeping, Carriage	13.40	
	Maintenance on Testing		
	apparatus	37.50	
	Labor by Machine Works		
	for Feb. 24th March	76.96	
	Expenses on March	41.50	
<u>Engineering Expenses</u>			23137
	Expenses of Blandins Mining		
	from Hunt Park to N. E.	44.40	
	Salary of Blandins foreman	125.00	
		165.40	
		5385.26	

<u>Agents Expenses</u>		Broth Forward	5385.86
		C.R. Price on 7/6 New Bedford	38.19
		Expenses for C. Gray	50.00
		Expenses Rorden and Hickney	149.22
		1/2 " R. P. Dix	118.88
		1/2 " Clark	20.57
		1/2 " Office near Louisville	21.25
		1/2 " Saly, R. P. Dix	53.33
		1/2 " S. A. Clark	50.00
		" Benton	50.00
		Salary C. F. Hughes	100.00
		" W. P. Brewster	200.00
<u>Electric Railway Co</u>			811.44
		for Payment on 7/6 of	
		Share of Expenses	1000.00
<u>Examination Expenses</u>		(Monthly)	166.66
<u>Exhibition and Agent's Expenses</u>			
		for 2 each of Library for 1-	
		each Lighting North Adams	56.70
<u>Expenses Prelim Estimates</u>			250.00
		Stirling to Saratoga	7445.66
<u>Recapitulation</u>			
		Genl. Expenses	314.90
		Pamphlets	12.57
		Legal Expenses	615.40
		Director's Fee	160.00
		Laboratory Expenses	508.35
		Orderly Expenses	1557.47
		Stationery and Printing	119.75
		Salaries and Wages	1595.21
		Postage	35.44
		Feasting Expenses	231.37
		Equipment	165.40
		Agents Expenses	2111.44
		Electric Railway	1000.00
		Examination Expenses	166.66
		Exhibition Expenses	56.70
		Preliminary Estimates	250.00
			7445.66

r

	Rate	amount Paid in Advance 1924
<u>Agents</u>		
H.A. Clark Baltimore Md	50.00 $\times 10\%$	50 00
Mr. P. Shie St. Louis Mo	83.33 $\times 10\%$	83 33
C.O. Benton Albany N.Y.	50.00 $\times 10\%$	125 00
John E. May	50.00 $\times 10\%$	
J. de Peall	50.00 $\times 10\%$	135 00
	<u>283.33</u>	

<u>Resumes</u>		
Office (65.54 Ave 1)	per month 459.17	
Superintendent's Office	" 315.00	
Supply Store	" 196.72	
New England Dept	" 750.00	
Canadian Dept	" 410.00	
Roselle Plant	192.50	
Agents	283.33	
	<u>\$2,636.72</u>	

(The above does not include
Mr. Hutchinsons Salary)

Mr. Edison,

The Committee of Three consists of Lowrey, Adams and Coster. I have seen them all and they all accept. The first meeting is called for this afternoon, at the office of D. M. & Co. I am not a member of the Committee, as I understand it, and therefore shall not attend at the meeting to day, nor at any future meetings unless specifically required to do so by the Committee.

S. B. Eaton

May 14th. 1884.

per Mc.G.

President's mem. for Executive Committee meeting, Light
Company, May 24th. 1894.

207
CONSTRUCTION DEPARTMENT. TEMPORARY EXPENSES. On May
15th, Mr. Edison notified me that he was unable any longer to
carry the electrical staff of his Construction Department. He
mentioned 6 men in particular, all, he thought, indispensable to
the business. Their salaries and expenses aggregate about
\$225 a week. I told him that in order to prevent their dis-
charge by him, the Light Company would temporarily pay the ex-
penses, subject to the future action of the Directors.

On May 21st. Mr. Edison asked to have the engineering
pay roll of his Construction Department also assumed by the
Light Co., 7 men, about \$200 a week. I told him this also
would have to be acted on by the Directors.

Shall the Light Co. assume all or any part of those
expenses, aggregating about \$425 a week, pending the ultimate
decision of what shall be done with the Construction Depart-
ment?

CONSTRUCTION DEPARTMENT. CONTRACTS. About 2 months
ago the Thomas A. Edison Construction Department made a written
tender to install a central station plant in Dallas, Texas, for
\$24,700, provided it were accepted within 60 days. The 60 days
have now expired, the company is not yet formed, and Mr. Edison
is not in condition to extend the time for accepting his tender.

The question arises whether the Light Co. will assume the estimate and authorize our agent to proceed with the formation of the company? There are several other towns situated like Dallas, in this regard.

Shall the Light Co. assume these contracts, pending the final disposition of the construction business?

SOUTH AMERICAN BUSINESS.

Mr. Edison asks for authority to make arrangements with such parties as he may select, to exploit our business in the various countries of South America, also in Mexico.

We have already given Mr. Edison the Argentine Republic and Chili. On July 2nd, 1883, Mr. Edison was given authority to at once install a central station plant at Buenos Ayres. Although 11 months have passed, and this has not yet been accomplished, Mr. Edison is confident that before another winter, he can start a central station there.

On January 20th, 1884, an arrangement was made with Mr. Edison, for Chili, which was ratified by the Directors, Feb. 18th. He is to pay us in cash 25 percentum on the shop price of dynamos, and on village plants 18 per centum on the contract price of the original installation and future increases, all as delivered F. O. B., in New York City. We are also to have a royalty of 10 cents on every lamp, both in isolated and central station lighting. Mr. Edison sent Mr. Stewart to Chili to do business under this contract, and we have thus far received two

small isolated orders from him. He expects to do a good business.

Shall we make the same arrangement with Mr. Edison for other countries in South America and Mexico, as we made in Chile?

UNSATISFACTORY INSTALLATIONS OF VILLAGE PLANTS. Several of the village plants installed by the Construction Department are unsatisfactory to the local companies. Mr. Douy, President of the Shumokin company, in a letter dated May 13th, and following up several previous conversations and letters on the matter, formally requests that his plant be made satisfactory and to conform to his contract with Mr. Edison, as Mr. Douy understands it.

Several of these companies have made complaints to us, and insist that either Mr. Edison or our Company should make the installations perfect, to conform, as they claim, to the original contract. There are two sides to this question, Mr. Edison being on one and the local companies on the other. My own opinion is that the installations should be made satisfactory, within reason, but the question arises who shall pay for the necessary changes and additional machinery.

What shall be our policy? Shall we accept Mr. Edison's decision as to what constitutes an adequate plant, or shall we accept the decision of our own engineering department, Mr. Clarke for instance, or any other engineer whom we may select? If Mr. Edison's decision is not accepted by the local companies,

and if our engineers do not agree with Mr. Edison, who shall pay the expense of the changes and new machinery? Strictly speaking, it is not our duty to stand this loss. As matter of law, there is probably no reason why we should do so. But there are reasons of policy why the local people ought to be given satisfaction.

S. B. Catron

President.

per M. J.

Mr. Edison:-

STENOGRAPHIC

May, 29th.

Will you please meet ~~Walter~~ ^{myself} and myself in
relation to the Philadelphia installation as soon as you convenient-
ly can. It is important that this matter should be gone over at
once.

Yours,

W

J. V.

THE EDISON ELECTRIC LIGHT CO.,
6 FIFTH AVENUE.

New York,

June 6th

Thomas A. Edison Esq^r
Dear Sir

In reply to yours of 4th inst
regarding Test made on New Style Wire Safety
Catches - sent by Bergmann & Co. - I enclose
test - a copy of which I sent Mr Andrews
Circleville Ohio June 3rd/84

I regret my inability to have replied
sooner -

I remain
Yrs Very Sincerely
Wm. J. Harrison

License

— from —
Edison Electric Light Co.

to —
Western Union Telegraph
Company.

MEMORANDUM.

This license is drawn so as to correspond almost literally with the license of Mr. Dyer. As the terms of the license seem to have been agreed upon, it is impossible to draw a new license. I have merely joined Mr. Edison as a party, added a clause as to the admission of the validity of the patent, omitted the word "assigns", and added the witness clause. I do not like the word "successors" in the license and some other words, and I should like to add some restrictive clause or clauses; but under the agreement (as I understand it from Mr. Dyer) I do not see how any further modifications or additions can be made.

WHEREAS Thomas A. Edison is inventor of a certain improvement or improvements in dynamo-electric machines, to wit:

In a dynamo-electric machine, the combination of a series of armature coils, a series of insulated commutator strips, to which the armature coils are connected and a series of commutator brushes, from which different strengths of current may be derived according to the respective positions of said brushes around the circumference of the commutator: and

WHEREAS said Edison now has a certain application, No. 93,126, dated August 7th, 1882, filed in the United States Patent Office; and may file other applications embracing said invention; and

WHEREAS, The Edison Electric Light Company is sole owner by assignment of said invention and any letters patent which may be granted thereon:

NOW, THEREFORE, for and in consideration of one dollar and other valuable considerations in hand paid by the Western Union Telegraph Company, a corporation duly incorporated under the laws of the state of New York, to the said Edison Electric Light Company, a corporation also duly incorporated under the laws of the state of New York, and to the said Thomas A. Edison, the receipt whereof is hereby

acknowledged by them severally, the said Edison Electric Light Company and the said Edison hereby grant to the said Western Union Telegraph Company and its successors an exclusive license to make, use, and vend throughout the United States, apparatus embodying the said invention, as hereinbefore designated, but for telegraph purposes of every character whatsoever only and not otherwise: it being understood that said license does not grant to said Western Union Telegraph Company any rights or privileges under or pertaining to said invention for other purposes than those relating to telegraphy or the transmission of messages telegraphically.

The said Western Union Telegraph Company hereby agrees to, does, and will, admit and acknowledge the validity of the letters patent to be granted for said invention and the novelty and utility of said invention; and further agrees that it, the said Western Union Telegraph Company, will not, directly or indirectly, contest the validity of said letters patent or of said invention or aid or encourage others in so doing.

IN WITNESS WHEREOF the said Edison Electric Light Company and the said Western Union Telegraph Company have severally caused their corporate names to be subscribed to these presents by their proper officers, thereunto duly authorized, and their respective corporate seals to be

herunto affixed, and the said Thomas A. Edison has here-
unto set his hand and seal, the 13th day of June,
1884.

The Edison Electric Light Company

In presence of

by

T. A. Edison

President



attest
J. H. Hastings
Secy



Report

~ of the ~
Committee of Three

~ to the ~
Directors of the Edison
Electric Light Co.

June 18, 1884.

A. WESTMANN, Lee University, 61 Cedar Street, New York.

The Committee of Three appointed at the meeting of the Board of Directors on May 12th, 1884, report:

FIRST: That they have had two full meetings, since which time the illness of Mr. Adams has made it necessary for the other two members of the Committee to conduct negotiations with Mr. Edison and his associates, with whom they have almost daily held either formal or informal meetings.

SECOND. At the outset they determined to submit a proposition which should have the effect of securing to the Company a suitable interest in, and large influence over the manufacturing business; re-organize the business of exploitation in a manner satisfactory to Mr. Edison; and at the same time reduce the expenses of the parent Company to the minimum, but with a maximum of efficiency and benefit, having in view the purpose for which it was originally organized.

THIRD. The proposition was substantially as follows:

(a) That the various shops should sell to the parent Company an interest of twenty per cent, and to the Isolated Company a like interest, making an aggregate of forty per cent., and receive in payment therefor, stock of the two Companies at par; the interests in the shop to be appraised. (b) That the Light Company should make a contract with the Isolated Company, conferring upon it power to instal central stations and plants, and requiring it to maintain the requisite staff of engineers, officers, &c. and offering to it such inducements as might be proper to lead it to undertake and develop the business. (c) That the Isolated Company should

be re-organized by the election of such executive officers as would meet Mr. Edison's desire that the business should be pushed with great energy. (d) That the staff of the Light Company should be reduced to a President, who should also be Treasurer, one engineer, and an Attorney, all to be employed upon salaries; the President to give his attention especially as director in the Isolated Company to its interests there; and in his own proper office as President, to the initiation and prosecution of suits, the perfection of patents, the revision, if desired, of the contract now proposed to local illuminating Companies &c., &c. (e) That Mr. Edison should extend his contract with the Light Company for at least three years, and returning to his laboratory, undertake the perfection of old and the production of new inventions.

FOURTH. This plan was first explained by one of the Committee privately to Mr. Edison, who appeared at the time to make no objection to any part of it, except the extension of his contract, which he exhibited strong disinclination to assent to. Subsequently the paper containing this proposition was considered by Mr. Coster, Mr. Howrey, Mr. Johnson, Mr. Batchelor and Mr. Edison together; but no definite determination was reached except that it was learned that both Mr. Johnson and Mr. Batchelor were strongly disinclined to part with the interest in their shops upon the ground that those interests furnished to them present means of livelihood which they were indisposed to change for shares of a greater speculative value, but without present income.

FIFTH. Co-incidentally with our pressing this plan, the making of contracts with the shops by which their profit should be limited, and they should be led to recognize all the patents of the

Light Company, and also to assign to it all patents now belonging to them or which they might hereafter acquire, (except those of Mr. Edison) was discussed.

SIXTH. This method without change of interest was strongly urged by Messrs. Edison, Batchelor and Johnson.

SEVENTH. After many meetings Mr. Edison declared positively his unwillingness at this time to extend his contract, or to enlarge his interest in the parent Company by an exchange for an interest in the shops; and declared at the same time, as the Committee understood it, that his objection was solely based upon his disbelief in the ability of a Company to carry out the projects which he had in view; but that should the re-organization take place with the result of introducing the element into the management, which he thinks is now lacking, he would then feel disposed to consider such a proposition.

EIGHTH. In the meantime a conference with Mr. Edison had shown that it was his desire that Mr. Johnson should take the presidency of the Isolated Company, to carry on its business subject to the control of a small Executive Committee, for the composition of which Major Eaton, Mr. Upton, Mr. Coster, were named. Before Mr. Johnson was named for this place by Mr. Edison, he had announced his willingness to make an exchange of all his interests in all shops for an interest in the Light Company upon terms to be agreed upon under the general principle of appraising, as your Committee understood, all interests in the shop and taking the Light Company's stock at par therefor. Mr. Upton also expressed in a general way his willingness to make a similar exchange. But in respect to the interests of Mr. Upton, no definite conversation has

taken place. At the time of writing this report the Committee is still negotiating with the Manufacturers for some partial exchange of interests and will make a verbal report should anything further develop in this connection. Irrespective of such exchange it is the belief of the Committee that if reasonable limit of profit to the Manufacturers be fixed nothing better can be adopted at this time than to make contracts with them in general like the one now submitted, giving to the Parent Company the right to terminate the same at will upon a prescribed notice. The Committee further recommend that the Light and Isolated Companies be re-organized in the manner proposed, and that the Light Company's staff be reduced under the advice of Major Eaton, so that it shall carry the lowest salary and general expense account, consistent with keeping it in full possession of such knowledge of the business as would enable it at a future time to resume all that it may now part with with effect.

A subject requiring early attention is a readjustment of the relations between the Light Company and the Illuminating Company of New York City. A verbal suggestion will be made on this matter.

An outline of a contract between the Parent and the Isolated Companies is herewith submitted; but in connection with this as with other points all further report can in the opinion of the Committee be best made orally at the Meeting of the Board.

(Signed) G. P. Lowrey,

New York, June 18, 1884.

C. H. Coster.

* Copy of this proposed contract is not sent herewith but will be submitted at the meeting.

Edison Electric L. Co.

THE EDISON ELECTRIC CO. New York, July 30th. 1884.
85 Fifth Avenue.

Inventory of Stock of Testing Room Instruments etc. belonging
part to Edison Electric Light Co. turned over to Mr. Batchelor
during Holiday.

1 Photometer,	1 Bradley Resistance Box,
28 rolls German Silver,	1 Comp. Switch,
3 Three-quarters Bbl. Unsocketed lamps,	1 Double Switch, English Style
1 Bbl. 50 C. P. lamps,	2 Scales in Cases,
1 Automatic Regulation Relay,	1 " without case,
1 Telegraph Sounder,	1 Thompson Electro-Meter,
1 Sewing Machine,	6 Condensers,
2 Thermo Batteries,	2 Volt Meters,
40 Leclanche Batteries,	1 Ampere Meter,
30 small gravity cells,	1 Clock,
7 large " "	1 Speed Indicator,
12 Standard " "	2 4point Switches,
5 Bunsen Batteries,	1 Reversing Switch,
14 bottles Zinc Sulphate,	1 Micrometer Gauge,
3 1/2 " Copper "	2 Astatic Galvanometers,
2 " Acetate of Zinc,	1 Elliot Wheatstone Bridge,
2 Iron Bottles Mercury,	2 Sliding Bridges,
5 W. U. Resistance Boxes,	528 100 C. P. lamps,
2 Square Thompson Galva-	445 15 " " "
nometers and Scales,	297 50 " " "
3 Deprez Galvanometers,	1 Hookhousen Motor,
1 Unstand. Low Resis-	4 L Resistance Boxes,
tance Box,	1 H " " "
1 50,000 Resistance Box,	1 K " " "
1 180,000 " " "	1 extra 80 ohm Resistance Box

* One at least of these belongs to E. C. 1

*One of these at least belongs
from Mr. Batchelor*

- E.C. 1 Lathe with Tools,
- E.C. 1 Detector Galvanometer,
- E.C. 3 Thermometers,
- E.C. 1 Standard Fahr. Thermometer,
- E.C. 1 Ice Cooler, (Water cooler ?)
- * 4 Round Tripod Single Coil Thompson Galvanometers,
- E.C. 1 Wall Galvanometer,
- E.C. 1 Andrew Pressure Indicator,
- E 1 Maréne Galvanometer,
- E 1 Astatic Galvanometer,
- E.C. 1 Bergmann Bridge,

Received the above instruments to be in my charge until Mr.
Dicksons Return.

Chas. Batchelor,
July 30th. 1884.

* I think that one - if not two of these came
from Muskego Park and belong to Mr E.
The others belong to E.C.

Edison's

- 1 Standard Condenser Lab
- 1 Telegraph Sounder ~~#~~
- 1 Electrostatic Electrometer Lab
- 1 Elliot ~~Elect~~ Galvanometer
- W U Boxes all belong
to E.
- 1 Shunt for Galvanometer
- 6 Condensers — Lab
- 1 Elliot Bridge —
- 2 Round tinned Galv. Its Lab
- 1 Pair Scales — Lab —
- ~~St. Int~~

At a meeting of the Board of Directors of the Edison Electric Light Company held at the office of the company on August 11th, 1884, the following resolutions were adopted with reference to the death of Mr. J. A. Edison: ———

Resolved, that the Directors of this company extend to Mr. Edison their deep sympathy in his great affliction; and as a token of respect for the memory of Mr. Edison, that the offices of the company be closed on the day of her funeral;

Resolved, that these resolutions be entered upon the records of the company, and that a copy duly signed by the Directors be forwarded to Mr. Edison. ———

J. A. Edison

Horvin Green

C. H. Hooper

W. J. Fawcett

H. Willard

Edward D. Adams

O. W. Warner

Edw. W. Johnson

Ernest P. Loring

657 Hill St
 Aug 14 "

My dear John, I called

here to see you - They
 tell me you are
 seldom here - so I
 will seek you elsewhere
 at the first opportunity,

mf -

Chas. P. Long

GROSVENOR & LOWRY
CHAR. FRANCIS STONE
ROSWELL HENRY
JOSEPH E. AUERBACH
RICHARD W. STEVENSON

Lowrey, Stone & Auerbach

Attorneys & Counsellors at Law

No. 10 Broad St. New York

15

May 19th

1884

9.30 Am.

My dear Sharon

It was im-
possible to get a meeting
between Mr Adams & Mr. Bates
last week owing to the finan-
cial excitement -

I am this morning sent to them
to get a meeting to-day & have
stated we will at once want
to see you - I hope this week
to reach an end of these
negotiations, & a successful &
satisfactory one - a proper sense
of what is in equity due all
around should accomplish it.

Yours
S. P. Lowrey

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE.

New York,

Aug. 29 1884

Samuel Insull, Esq

Secty.

Dear Sir:

When you attend at this office on Monday morning next to execute the contracts as Secretary of the Machine Works and Tube Co., it will be necessary to have the corporate seals of those Companies to annex to the contracts. Will you, therefore, please have the seals done at the time for that purpose.

Yours truly

L. B. Eaton

President

per M

1884-08-29

The Edison Electric Light Company,

65 Fifth Avenue,

New York, August 29th. 1884. 88

Samuel Insull, Esq.

City.

Dear Sir:-

Will you please attend at this office on Monday morning
^{Sept 1st} next at 10 o'clock, to execute the contract with the Light Co.,
to which you are a party. All the parties to the contracts are
expected to be here at that hour, so as to have them all executed
simultaneously.

Yours truly,

S. B. Eaton,

President.

per M.

UNITED STATES ELECTRIC LIGHTING COMPANY-----NEW YORK CITY. VOL. 7.

118 SEPTEMBER-19-04. 59 LIBERTY ST. THE PRESENT OFFICERS AND TRUSTEES OF THIS COMPANY, ARE:-

"GEORGE W. HEDARD, PRESIDENT, MARCELLUS HARTLEY, ANSON PHELPS STOKES AND CHARLES R. FLINT, VICE-PRESIDENTS, LEONARD E. CURTIS, SECRETARY, PHILIP FRED KARBE, TREASURER AND EDWARD WESTON ELECTRICIAN. WITH THE EXCEPTION OF KARBE AND WESTON, THESE GENTLEMEN TOGETHER WITH LENIS FITZGERALD, HENRY B. HYDE, RODERT D. MINTURN, JOHN A. STEWART, THOMAS H. HUBBARD, WALTER T. HATCH AND HENRY DAY ARE THE TRUSTEES.

MR. KARBE THE TREASURER, TELLS US:-

"THAT THE COMPANY ARE IN FIRST CLASS SHADE EVERY WAY, ARE PAYING ALL BILLS PROMPTLY AND CONTINUE THE PAYMENT OF THEIR 5 PER CENT SEMI-ANNUAL DIVIDEND. HE SAYS THEY HAVE RECENTLY PERFECTED THEIR WESTON VAC SYSTEM UPON WHICH THEY HAVE BEEN WORKING FOR SOME TWO YEARS AND WHICH IS PROOVING VERY SUCCESSFUL. THE PARTIES IN INTEREST ARE HIGHLY RESPECTABLE AND WEALTHY AND THE COMPANY IS BELIEVED AMPLY GOOD FOR ITS BUSINESS PURCHASES.

N.Y. 500 H.B.

THE MERCANTILE AGENCY

OF
R. G. DUN & CO.

The information given on this sheet is an answer to an inquiry made by a Subscriber to The Mercantile Agency, who asks for the same AS AN AID, to determine the propriety of giving credit. The information is communicated under the conditions of an agreement signed by the said Subscriber, which expressly stipulates that the said information is obtained by the servants, clerks, attorneys, and employees of the said Subscriber and on his behalf. The said agreement also expressly stipulates that the said Mercantile Agency SHALL NOT BE RESPONSIBLE for any loss caused by the neglect of any of the said Subscriber's servants, clerks, attorneys, and employees in procuring, collecting, and communicating the said information; and the actual verity of the said information is in no manner guaranteed. The agreement further provides that the information thus communicated shall be STRICTLY CONFIDENTIAL; shall never be communicated to the persons to whom it refers; and, that all inquiries made shall be confined to the legitimate business of the Subscriber's establishment.

For

Geo. H. Rice, M. A. Co.

No. 7712

3/28/85

OSROVENOR F. LOWREY,
CHAS. FRANCIS STONE,
RENEWELL WELLS,
JOSEPH S. AUERBACH,
RICHARD W. STEVENSON.

Lowrey, Stone & Auerbach,
Attorneys & Counsellors at Law
No. 15 Broad St. (MILLS BUILDING) New York.

September 20th 1884

My dear Edison;

Eaton wrote me that his stenographer was going to take his vacation from last Monday for two weeks; and I have not therefore been able to have his services for dictating a substitute to the Contract respecting arc lights. Next week I expect to have stenographer of my own and will do it.

This I will do any way--(although I understood you to say you did not care for any Contract)--because I assume, that eventually you will prefer to use your own dynamo, and I would be glad to know if there are any specific points in that paper upon which you have "views" adverse to the provisions of that paper. By the way, I never read it, though--nothaving time this year

Yours truly



February 19th/84

121 MADISON AVENUE.

My dear Edison: I have been
confined to my room since
Saturday last but hope
to be out tomorrow.

Mr. Insull was at my
office a few days ago
to say that he had seen
my letter to you about
the arc-light contract
and suggested ~~being~~

lying on your desk and suggested that I should see you before giving any time to that. Accordingly I should notwithstanding I had no answer from you have called on you last week had it not been for my illness -

By the time Mcgowan had returned from his vacation the time for my moving had arrived

and I was kept very busy for nearly two weeks in supervising that & the making various alterations in my apartment & just as I was done this sickness caught me

I suppose you will be at the Board meeting ^{tomorrow} & if you will then state to me your points I will sit down at once to redraw that very long paper

I hear that you have been collecting proxies with a view to electing new directors in the place of some of the old ones including me. That is all right - If any stockholder thinks I do try properly to serve his interest as a stockholder it is quite correct for him to vote accordingly. As to Major Eaton, however other con-

siderations are involved. You know he ~~owns~~ ^{has} a contract and any change looking to a termination of his connection with the Company should be treated civilly and as a matter of agreement. Besides the new agreements were authorized only because they were part of a re-organization scheme

in which Major Eaton,
resigning Pres.
ident was to withdraw
from active business and
put his energies entirely
into prosecuting suits etc

I do not believe you have
reflected that if you or
persons under you manage
the Light Company as you
do the shops, then both
sides of that important
business will be in one

Control with the natural
risks that it will be car-
ried on as to pay the
largest profit to the party
in control. The law
not only frowns upon but
forbids it. Such a state
of things is manifestly
wrong. You are certainly
too clear sighted to think
that after all this wrangling
the other members of the board
would have passed those
contracts if they had
known or suspected

that their complicated provisions were to be interpreted by a new board controlled by the interests on the other side of the contract.

I hope to see you tomorrow at the Board meeting and shall be glad to discuss these matters openly and with a sincere desire to aid in establishing such arrangements as will most conduce to the common interest.

Very truly Yours
S. P. Towrey

The Edison Electric Light Co.
New England Department
Spencer, Boston, Agents

Fall River, Mass. October 20, 1884.

Mrs. A. Edison, Esq.
Dear Sir:

I am not a stockholder in the Edison E. L. Co. My brother-in-law, Mr Geo. W. Dean is such, and I will hand him the proxies you sent me, telling him of your request.

I have no idea what his feeling will be in regard to the matter.

Yours very truly
Spencer Rodden.

Edison
The Edison Electric Light Co.
New England Department
Spencer Borden Agent

Fall River, Mass. Oct. 20th, 1888

Thos. A. Edison Esq.,

Dear Sir:-

I enclose herewith the proxy of Mr. Geo. W.
Dean, as requested. Mr. Dean would thank you to send him a copy
of the report of the Company, showing financial standing etc.

Yours very truly,

Spencer Borden,

per K.

1884-10-(24)

John C. Myers,

39 & 41 North Pearl St.

Albany N.Y. ~~Nov~~ 1884

Thomas A. Edison Esq

Dear Sir - Enclosed find my
views on your favor. In patent
(I share of the "Edison Electric Light
Co." Any policy resulting in a
development of, and the putting on
a sound business basis of your
system of Electric Lighting will receive
my hearty approval.

Very truly yours
Chas. F. Hackett.

~~Edison Electric Co.~~

We have a new Co.
+ I think you will
see result.
St Louis Oct 20.

Mr
Thos Edison
New York.

Before receiving
your printed letter asking
my proxy for Edison
Electric Co. elections I
had rec'd a similar
request + had sent
forward to the com.
of shareholders my
power of attorney.
If I knew who
the men were, who
were active + respon-
sible for the manage-
ment of the pash I
would never vote my

no shares for any
one of them. New men
should be put up. free
from jobs & willing to
give conscientious care
to the trust placed in
them. The results of
the past show rather
indecisive or worse.

No man connected
with the Edison Co. has
reason to feel a pride
in the work of the
past - this record
before the public &
minority shareholders
is bad. I can only
express my regret
that it is so.
Believe me, Yours Truly
J. G. Chapman

Samuel Insull.

Oct. 27th. 1894.

A. O. Tate, Esq.,

Peterborough, Ont.

My Dear Tate:-

Your various letters to me came duly to hand.

I have been so terribly busy that it has been absolutely impossible for me to answer you.

Things have been going so badly in general in our business, and the outlook has been so uncertain, that I have even had to deprive myself of the services of the charming and illustrious co-worker "Mrs. Gallagher", whose valuable aid I have called in this devotional Sunday morning.

I will just post you as to the general run of things here. The renowned and illustrious S. B. Eaton retires on this Tuesday next. The enclosed circulars will explain the matter to you. The controversy has been compromised by the Light Co. cutting out all their objectionable men and electing the men nominated on Mr. Edison's ticket, with the exception of Mr. Cutting, in whose place Mr. Spencer Trask is going to be placed. But just stop a moment, I am a little too previous, I should say the election takes place next Tuesday, but, as things look at present, I think we may consider it is all finished up. Thus you see I am at last getting even. I have often told you that I would, and that the great "Mogul" in the back room would have to clear out. Edison, Tom-

Oct. 27th. 1884.

A.O.T.2.

2

linson, myself and W. S. Perry have been working like "Trojans" for the last two weeks getting proxies. We have upwards of 3000 proxies now in the safe, but it requires 3500 to control the Co., and Drexel, Morgan & Co. have, in the face of this support which we have obtained, come to the conclusion that the most graceful thing to do is to give Edison what he wants. Eaton disappears from the business entirely, and has given Edison his word that he will not accept the nomination as a Director in any Edison Co. at all in the future, unless such nomination comes from Thomas A. Edison, himself. You can imagine my feelings. There is no one more anxious after wealth than Samuel Insult, but there are times when revenge is sweeter than money, and I have got mine at last.

Johnson will now have full control of the business. The President of the Light Co. will be more a figurehead than anything else, and that President will be Dr Eugene Crowell, in all probability. I do not know that this change will benefit me in any manner, except that it will certainly put Mr Edison in a much better humor, and enable him to go ahead on other things, and so I may look forward to making money in other directions. I do not think it is hardly probable that I shall make much money out of the electric light.

Johnson wants me to take charge, in my spare time, of

Oct:27th.1884.

A.O.T.3.

3

a literary bureau which he is going to start in connection with the Isolated Co.. That is he wants me to handle the newspapers, and see that the Edison interests have a fair shake in any electric light paragraphs that the press may give utterance to. Whether I shall take it up I do not know, but I fancy I shall, as \$100. or so a month is not to be despised by a "busted Britisher." I am expecting, with Tomlinson's aid, to form a Co. for the Stock Ticker. We expect to get the Seligmens into it. Of course this means another Secretaryship for Sammy, and another contribution to his fast diminishing "boodle." When I tell you that I am compelled to desert the society of even such friends as we dined with a Sunday or so before you left here, you will understand how near busted I am, but I am perfectly happy, owing to the turn that electric light affairs seem likely to take. I have not been to the Machine Works for a week, owing to the active part I have had to take in the Light Co's. agitation. I understand, however, that the arc light affairs are getting along very well. I may mention, strictly entre nous, that, providing everything is settled in the Light Co. to Mr Edison perfect satisfaction, that the arc light will, in all probability, be turned over to the Isolated Co. You must not, however, mention this to a soul, as it is a matter that even all our agents know anything

Oct. 27th. 1884.

A.O.T.4.

4

about, and I simply send it to you, because I wish you to be first posted. My impression is that if this arrangement takes place, you will be better off for it, inasmuch as I think we shall then be able to make a deal by which you can control the incandescent interests in Canada. Anyway you may rest assured that if I see an opportunity to do you a turn in this direction I shall not forget it, and I think I can flatter myself that I have the fear of those who will have the deciding of such matters. Meantime, you will go ahead just as if the arc light business would remain in the same state as the present, and do not even mention this matter in writing to Batchelor, as it might cause me trouble. One thing you may be sure, that I will take care of your interests just the same as if you were right on the ground here reminding me of it. If arc light affairs take the turn that I expect, which for your interests I hope they will, I fancy you will be called back to New York for consultation.

There are many things that I wish to see you on, and which I can hardly write about, and if you should be requested to report at headquarters, please send your gripsack to 247 Fifth Avenue, and share my "bugwalk" with me.

When I tell you that Tomlinson took part in a Democratic parade yesterday, you will understand how thoroughly depraved he has become. I think that he has sunk away down beyond redemption.

Oct. 27th. 1894.

A.O.T.S.

5

Hoping to see you when you come to New York, and reminding you to be sure to put up at my hotel, believe me,

Ever Sincerely Yours,

38634

pta - 20 lap

E. L. -
Edison E. L. Co.
Oct. 1884

Know all men by these Presents
That I

do hereby constitute and appoint
Thomas A. Edison Attorney and
Agent for me and in my name,
place and stead, to vote as my
proxy at the next annual
meeting of the Stockholders
of the Edison Electric Light
Company to be held on the
28th day of October 1884 for the
Election of ^{or Directors} Trustees for the
ensuing year, according to
The number of votes and upon the
shares of stock I should be
entitled to vote if then personally
present, and authorize and empower
him to act for me, and in my
name place and stead to vote as
my proxy ^{at} for the Election of such
Trustees or Directors as fully as I
could act or vote if personally
present, giving to my said Agent
and attorney full power of substitution
and revocation, & hereby revoking
all other former Powers of Attorney or
Proxies if any such there be

In Witness Whereof I have
hereunto set my hand and
seal this day of October
One thousand Eight hundred and
Eighty four

Sealed & delivered in presence of (L.S.)

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Print 50-
Want Proof
10 AM Tomorrow
Want them printed
by 11 AM All.

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

Edison Light Co.

NEW YORK

6th Nov 86

John G. Tomlinson Esq
16 Broad Street
City

Dear Sir, Please let me
have ~~the~~ Edison's Light
Company contracts as
soon as possible. I desire
to use them
Yours truly

Samuel Insull

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE,

E. L. Coon
Tub Co.

New York,

Nov 22 1884

John B. Tomlinson, Esq

Dear Sir:

Will you please meet Major
Eaton at his office on Monday morning
between 10 and 11 o'clock, to confer
with him as to the execution of the
contract between the Light Company and
the Electric Tube Company.

Yours very truly

W. H. Laddowcroft

W. H. Laddowcroft

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

NEW YORK, Nov 26 1884

Uncle.

I have decided to put
the Outside Country Org into
the hands of Brewster to
work. Please have Johnny
hunt up all letters regarding
it, Shanghai Cotton mill
Honolulu etc.

T A Edison

Louis Mallac Mauritius
Maidland 1861 Japan
T. Dru Jap. 1861

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

EDISON EL. LIGHT CO.

NEW YORK,

2nd Dec 1884

John C. Tomlinson Esq
my dear Sir,

You told me you
would let me have a
statement showing the
amount of time you
have spent on different
matters outside what
you have already
rendered bills for. I
refer more especially to
Edison Co legal matters
but of course want
everything else besides.
I need this very badly &
must have it right away.
May do attend to it.

Now about that opinion
on \$100000 clause in Edison Co
Contract? I need it as early
as possible. Yours truly
T. A. Edison

16th Dec 19

My dear Batch
in Right Co Stock

Your subscription stands
this:-
an increase from \$800,000.00
you owe on 73 shares \$3650
with \$ " 4 " 160

an increase from \$720,000 3810
to \$1,080,000 you owe
70% on 117³/₁₀₀ shares 8239
with " " 6⁴/₁₀₀ " 449.40 8688.40
\$82478.40

You see this is more than
we figured last night by
about \$2500 & it is owing
to the fact that on the last
increase you were
entitled to subscribe for
117³/₁₀₀ shares & not 73 as we

Eason's account stands the
an increase from \$480000 to ~~740000~~
470 1/2 shares \$47050

an last increase

684 shares 70 7/8

47880

750 000 shares in

(Bessie name) 70 7/8
owned by Rab

525

\$95455

The amount of \$47050 on
470 1/2 shares has already been
credited to Eason & the stock
issued but Light Co still hold
it in their Safe. This is the
amount I have already
spoken about

Yours

Insell

Mrs. Small

Where are
those specifications
for new central
station work?

Lunch today 12:30?

Assting

TO

Edison

MEMORANDUM.

FROM THE

EDISON ELECTRIC LIGHT CO.

16 & 18 BROAD ST.

New York,

188

I want you to do some experimental work for the Sprague Co -

I want the Best Brush for running Both ways with the same Brush -

A soft elastic touch of sufficient area to carry the current but which area will not wear.

TO

MEMORANDUM.

FROM THE

EDISON ELECTRIC LIGHT CO.

16 & 18 BROAD ST.

New York,

188

by wear - is the real

Consideration -

A tangential Brush of flat laminated strips is good until it concaves - then it is the Hard Brush - as solids & are harsh and crude - the soft touch of good Standard Dynamo

TO 3

MEMORANDUM.

FROM THE

EDISON ELECTRIC LIGHT CO.,

10 & 18 BROAD ST.

New York,

188

~~Brush is an absolute essential~~
- We have adopted Silicon Bronze
for Commutator Bars to the
practical extinction of Commutator
Appreciation - Now we want
a Non Changeable Brush Contact
Now Shall we get
Yours

H. J. Johnson

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allens



Mr. Insull:-

Your memorandum of the 19th inst. in relation to the charge of \$15 which ^{we} you make to compensate us for the loss because of error in shipping the wrong size armature to Newton & Co. I beg to differ with you, as to the responsibility in this case. The only reason of your having the armature sent to 97 Sixth Av. was that it might be shipped with other materials. It was never unboxed, and even had it been, you cannot consider it negligence on our part for failing to see that the Machine Works make proper shipment, as such supervision does not come within the purview of our Supply Store-keepers ^{duty}. Unless you can show a stronger argument to support your suggestion, I think you should settle the claim without rebate.

Yours,

J. Hutchinson

THE EDISON ELECTRIC LIGHT CO.,
35 FIFTH AVENUE.

E. L. -
Edison E. L. Co.
(1884?)
New York, Tuesday 188

Friend Comlenson
The ~~appointment~~^{meeting}
as to right to stock-
holders takes place
at my house at
eight o'clock tonight
Edison & Penning will
be there.
Yours
hisue

24 Co. . .
Henry Villard, Esq. Chairman

Chairman of Committee on Manufacture & Organization,
Edison Electric Light Co. New York.

Sir:-

After many discussions upon the subject of the relations of the factories to the Light Co, we the undersigned have reached the following conclusions, and present them with the full expectation that they will be received as honest opinions.

We conceive the prime motive of the Light Co in appointing your Committee to be, first, to provide for the more rapid exploitation of the electrical system
exploitation of the Electric Light system.

Second; to so re-arrange and adjust the relations of the factories to the Light Co that the stock of the latter may participate in the profits of the former where they are the direct outcome of the Company's patents.

Third; To so consolidate the working forces and profits of manufacture as to reduce the cost of installations to such a point as will place the Company in a more favorable position in respect

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to competition than it now occupies.

In our opinion all these things can be best accomplished by providing for the most economical production and installation of the Company's Plants. We believe that the true principle is to attain the highest possible development and the greatest economy of production, thus rendering the earning capacity of the plants in competition with gas and other forms of artificial light, more sure and more efficient; thereby popularizing the system and creating a demand for licenses.

We believe that any participation of the Light Co in the direct profits of manufacture or installation will defeat their purpose. That their true interest^{as} in the direction of securing in every possible way greater earning capacity from the sale of the product of the plants of which they are by virtue of their contracts part owners, and that through their part ownership they thus derive in a legitimate way an indirect but real participation in the profits of the factories. We are convinced that the personal supervision and self interests of the present owners of

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the several factories is far more likely to secure economy of production than would result from corporative control and management.

It seems, to us that the attention of your committee should be directed to formulating some plan of control and supervision of the cost of manufacture so as to afford your Company a constant guarantee that its goods are produced at the lowest possible figure, consistent with a fair manufacturer's profit; and also to the question of the more economical operation of the various installation Departments. This latter is in our opinion of very great importance. The cost of an installation may be may be very greatly enhanced by lack of skill and by bad management. Our suggestion in this respect is that all installations of whatsoever character be made by one Department, thereby concentrating the general charges of installation, and by their diffusion over all the operations of the Company obtain a general considerable reduction in the general charges on each particular

4.

job. We suggest for this purpose that the Isolated Company become contractors for installing Central Station Plants, and that they do all the work in relation thereto not now performed by them. It is obvious that the commercial and practical Departments of the Isolated Company in such a case should be presided over by a man of great executive capacity. We therefore suggest that such a man be sought and placed in charge of the affairs of that Company.

(probably to have been signed by

*Edwd. H. Johnson, President
F. S. Hastings, Secy. & Treas.
J. H. Veil, Gen'l. Supt.
J. H. McClement, Comptroller*

Edison Machine Works
86 to 106 Goerck Street New York
Manufacturers of Dynamo Electric
Machines Electric Motors and
Arc Lighting Plants. Contractors
for the erection of plants for
the Transmission of Power by
Electric Motors from ^{over distances of} 1 to 20
miles and from 20 to 2000
horsepower.

The Edison Machine Works
manufacture all Dynamos
for the Edison Light Companies
Electric Tube Co

18 to 24 Bridge Street
Brooklyn N.Y.

Manufacturers and Contractors
for Underground systems of
Electric Conductors for
Arc and Incandescent Lighting
and ^{Telegraph} Telephone purposes.

Incandescent High Conductors
carrying from 10 to 4000 amperes
are high conductors capable
of carrying currents of 2800
volts pressure.

The Electric Tube Co. have
laid and maintained in Milan
(Italy) London (England) Berlin (Germany)

Prism (Austria) Santiago (Chile)
and in New York City, Newburgh N.Y.,
Fall River, Proctor Lawrence & Boston
Mass and other cities. They have had
all the best manufactured and laid
all the systems of Underground
Conduits the past year for the
Edison Companies throughout the
world.

Edison Lamp Co. Harrison N.J.
Manufacturers of the Edison
Incandescent Lamps from 4 to 300
Candle power, also of miniature
lamps for surgical and other
purposes.

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Incandescent Lamps from 4 to 300
Candle power, also of miniature
lamps for surgical and other
purposes.

Electric Light-
Gen.(portion of
ms. found in
leg. of materials
from Tamlinson's
Office, c. 1884-1885)

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smaller size than the mains. The wiring of buildings for the Edison light is done by skilled workmen employed by the company. The wires are placed two and a half inches apart each wire having a double insulated non-combustible covering and being further protected by a wooden moulding containing grooves on the under side to receive the wires, thus rendering any contact or "cross" almost impossible.

In case any accidental contact of the wires, either directly or indirectly by the contact of any metallic conductor, such as a gas or water pipe, with them, should happen, Mr. Edison has invented a device termed a "safety catch" which secures absolute freedom from danger by fire and is an essential feature of his system of distribution. This device is intended to play in the system of electric distribution, a part analogous to that performed by the safety valve in a steam boiler or an overflow pipe in a system of water supply. It consists simply of a short piece of wire, fusible at a comparatively low temperature, which is inserted in and forms part of every circuit. The wire is an alloy of lead and tin and is contained in an adjustable plug or block. The object of the safety-catch is to obviate the danger of fire arising from an excess of current at any given point. For instance, if from any cause an excessive amount of current passes through the circuit, the safety-catch would immediately fuse and thus cut off the flow of the current before any danger could possibly be done by overheating the wires. To make this perfectly clear to those who are unacquainted with electrical science, it should be stated

1884. Electric Light - Edison Electric Light Company of Europe, Ltd. (D-84-028)

This folder contains correspondence, lists of stockholders, corporate minutes, and other documents relating to the business of the Edison Electric Light Company of Europe, Ltd. Much of the correspondence concerns the company's relations with the Edison companies of France and Germany. Related material can be found in D-84-036 (Electric Light - Foreign - Europe).

Approximately 80 percent of the documents have been filmed. The following categories of documents have not been filmed: routine notices for meetings of the board of directors; proxies; duplicate copies of selected documents.

Mr Insull:

We had a meeting of
the European Co. ~~now~~ today.
It was decided to take the
course indicated by the copy
of cable herewith. I sent
the cable today. It was
decided that we would call
a meeting of stockholders to
confirm the action of the
Directors. Have you a proxy
from Mr. Edison?

S. B. Eaton

2nd V. P. for me

Feb 23/84

OFFICE OF
THE EDISON ELECTRIC LIGHT COMPANY
OF EUROPE, LIMITED,
65 FIFTH AVENUE.

New York, February 25, 1884.

SIR:

A special meeting of the stockholders of this Company will be held at the office of the Company, No. 65 Fifth Avenue, New York City, on Friday, March 7th, 1884, at 12 o'clock noon, for the purpose of considering the present condition of the Company's affairs, and of taking action upon a proposition from Paris for merging the existing three French Companies into one Company.


THOMAS A. EDISON,

President.

KNOW ALL MEN BY THESE PRESENTS that I Charles
Batchelor, of the City of Paris, do hereby constitute and
appoint S. B. Eaton to be my lawful attorney, substitute
and proxy, for me and in my name, to vote on all the stock
held by me in the Edison Electric Light Company of Europe,
Limited, at a special meeting of the stockholders of said
Company to be held on the 7th. day of March, 1894, as fully
as I might or could do, were I personally present at said
meeting.

IN WITNESS WHEREOF, I have herunto set my hand and
seal this 4th. day of March, 1894.

In presence of

Charles Batchelor 
Francis R. Eaton *S. B. Eaton*
Samuel L. Lull
Attorney in fact

State of New York
 City and County of New York } ss:-

William H. Meadowcroft being duly sworn says: that he is the Secretary of the Edison Electric Light Company of Europe, Limited; that on the 25th day of February, 1884, he deposited in the Post Office in the City of New York, notices, (of which the annexed is a copy), addressed to each of the stockholders of the said Edison Electric Light Company of Europe, Limited, as the same appear in the list hereto annexed; and that full letter postage was prepaid thereon.

Subscribed and sworn to before
 me this 6th day of March, 1884

Wm H Meadowcroft

Wm H Meadowcroft

Notary Public N.Y.C.

63

OFFICE OF
THE EDISON ELECTRIC LIGHT COMPANY
OF EUROPE, LIMITED,
65 FIFTH AVENUE.

NEW YORK, February 25, 1884.

SIR:

A special meeting of the stockholders of this Company will be held at the office of the Company, No. 65 Fifth Avenue, New York City, on Friday, March 7th, 1884, at 12 o'clock noon, for the purpose of considering the present condition of the Company's affairs, and of taking action upon a proposition from Paris for merging the existing three French Companies into one Company.

THOMAS A. EDISON,

President.

List of Stockholders of the Edison Electric Light Co. of Europe Limited

Ashley	Edward	29 Dumbellorgans	13
Ayres	James	1 Railway St	5
Albinola	E.	105 West 48th St	5
Alsop	Fanny	180 1st St	14
do	Mrs. Radin	B	13
Abbott	Ida	22 Nassau St 9th St. N.Y.	6
Baumer	James	190 R. R. Building 19 William St N.Y.	33 1/2
Barker	Alfred	11 University of Pa	25
Baro	Edgar	11 Point St N.Y.	20
Blair	Fanny	148 E 55th St	1
Bailey	Floyd	117 North St	35
do	Latimer	9 E 11th St N.Y.	50
do	Ezra	" " " " " "	5
Batchelor	John	100 " " " " " "	98 1/2
Brant	James	161 Broadway, N.Y.	11
Bathurst	Chas.	29 1/2 Ave. 13, N.Y.	10
Bergman	James	100 1st St N.Y.	7
Bing	Louisa	130 E 7th St	1
Bunker	Paul	100 Rusk St N.Y.	99
Barnum	John	120 Liberty St N.Y.	60
do	John	100 Rusk St N.Y.	4
do	John	120 Liberty St N.Y.	6
Blanke	Chas	Washington Bldg N.Y.	20
Baynham	Chas.	9 Pine St N.Y.	20
Chas.	Biggins	24 Pine St N.Y.	10
Castellotlogues	Jacques	17th St N.Y.	100
Bergua	John	45 1st St N.Y.	5
Borrell	Enrique	196 Canton Ave, Brooklyn	20

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Forward			
Booster	Kenyon	can. Ordeal m 16: 2 Broad St., N.Y.	5
Boat		166 West 55th St., N.Y.	25
Bolby		N.Y. - 22 Nassau St.	24
Bolt		64 Wall St., N.Y.	7
Bongdon		109 Mercer St., N.Y.	1
do	Geo E		9
Boddingington	Hubert	4 Bisco & Co. Sq. Wadsworth	50
Cutting		19 Williams St., N.Y.	30
"	Lm		25
"	L.F.	"	300
"	L.F.	"	175
Huntingham	The Mary E	St. Sapporas & Warriner 58 Exchange Place, N.Y.	1
Curtiss	Geo	70 Fifth Ave., N.Y.	1
de Puskas	Francis	A.J. Sapporas, 58 Exchange Pl.	160
Deering	James	N.Y. City	10
Divine	Michael	50 Wall St., N.Y.	5
Dodson	R.L.	59 Wall St., N.Y.	5
Edison	Thos	65 Fifth Ave., N.Y.	60
Earl	Lm	3 Broad St., N.Y.	13
Eaton	P.B.	65 Fifth Ave., N.Y.	55
Eddy	Chas	105 Wall St., N.Y.	10
Elliott	J.B.	105 Wall St., N.Y.	10
Fater	Alfred	N.Y. City	5
Fatman	P	70 Broadway	10
Fish	James	78 Wall St., N.Y.	10
Foster	Geo E	444 South St., N.Y.	1
Foot	Fred	59 Bleecker St., N.Y.	20
Garnier	Jm K	9 Pine St., N.Y.	1
Goene	Handover	N.Y. City	10
Griffith	P.L.	" "	7
30			12 289

Thorpe			
Gildersheim	Ph	N.Y. City	170
Galewiler	Trade	46 Exchange Place, N.Y.	3
Godfrey	Ph	9 D M & Co. 3 Broad St, N.Y.	7
Godard	Calvin	Temple Court, N.Y.	5
Gorner	George Lewis	Ph	300
"	"	for F. H. H.	1100
Harland	Thomas	261 Broadway, N.Y.	70
Hegewisch	A. H. P.	Rolling Stone, N.Y.	40
Holgate	A. L.	9 Horden Hobbs St, N.Y.	4
Hunt	A. J.	Denver Col.	5
Jaffray	Ph	48 St N.Y.	1
"	Mrs Lydia	"	1
Jaguer	A. L.	45 Exchange Place, N.Y.	35
Jaybie	Ph	40 Broadway, N.Y.	9
Jehl	Francis	33 Avenue de l'Opéra, Paris, France	13
Jolyston	L. C.	27 Pine St, N.Y.	5
Johnson	L. C.	40 Avenue Lafayette, 58 E. St. N.Y.	20
Jones	H. H.	47 Williams St, N.Y.	9
Johnston	H. H.	25 Broad St, N.Y.	7
Johnson	Edw	ave. B & 17th St, N.Y.	5
"	Chas	47 Broad St, N.Y.	5
Judson	Newton	34 Wall St, N.Y.	7
Jussell	Daniel	65 Fifth Ave, N.Y.	40
Kreuz	Ph	65 Washington St, N.Y.	20
King	Chas	9 D M & Co. 3 Broad St	3
Kitson	Arthur	Lubique, France	7
Knight	Geo	9 D M & Co. 3 Broad St	3
Krohn	Albert	St. Paul, N.Y.	5
Ladd	Maud	N. Y. City	7

Howard			
Lancaster	Chas D	Boston Mass	5
Leurr		Opere square de Province	20
Livingston	Stearman	1/2 Romaine Brown, N.Y.	1
McLaughlin	Frank	Park House, Newark, N.Y.	100
McKesson	Y C	91, Milton St., N.Y.	2
Meadowcroft	W H	65 Lane N.Y.	1
McLean	W	N.Y. City	1
Muller & Park		Valerburg Ct	200
McMinnis	Jno Jr	30 Broad St., N.Y.	5
McMinnis	W H	64 Wall St., N.Y.	91
Muller	W G	Bridgetown	200
McMinnis	Eugene	9 E. 16 th St., N.Y. City	10
Matt	Paul	34 Park Row, N.Y.	10
Moore	W H	1/2 N. S. Electric Light Co Newark N.Y.	5
Moses	Otto	155 E 77 th St., N.Y.	15
Morgan	W H	15, Milligan St., N.Y.	5
Moore	W H	15 Cortlandt, N.Y.	5
Moller & Co		21 Wall St., N.Y.	11
Mott	Chas P	Milford, Pike Co., Pa	2
Nickerson	J H	Nantuxet Island, Mass	5
Norm	W H	427 East 50 th St., N.Y.	1
Ord	Jno	9 Persico & Pons St, 59 Wall St	8
Parsons	Leon	115 East 28 th St., N.Y.	10
Pau	James	1/2 Drexel St., N.Y.	1
Platky	Adolph	9 Papathan & Pomeroy	50
Pelton	Fuy R	158 Exchange Place, N.Y.	19
Terry	W H	167 Broadway, N.Y.	20
Peacock	W H	45 Exchange Place, N.Y.	3
Porter	Jno	N.Y. City	10
Pustas	W H	30 West 59 th St., N.Y.	10
		33 Ave. de l'Opera, Paris, France	90

61	15. 537
Forward	
Jughaard Papotas	48 Exchange Place, N.Y. 137
Puleston	London Eng 25
Raugholp Margaret	N.Y. City 2
Richmond James	159 Mores N.Y. 10
Rogers	N.Y. City 5
Rousseau Constant	
113. Barraud Delastopol Paris	500
Papotas James	58 St. N.Y. 30
Balkinstall J.B.	57. St. N.Y. 8
Dawson	9 St. N.Y. 1
Sheppard, Lydia	6/37 Laest N.Y. 1
Strom	6/37 Laest N.Y. 3
Strin	Aug 6/37 May N.Y. 2
Schleringer	9 St. N.Y. 367
Smith Chester	Fall River, Mass 12
" Luta	St. N.Y. 1
" Mortimer	9 St. N.Y. 3
Smithers Mrs Louisa	46 Exchange Pl. N.Y. 4
Selleck Geo	198 Rndt Brooklyn N.Y. 3
Schroder Chap	9 Rndt St. N.Y. 2
Storms Henry	29 Rndt St. N.Y. 2
Spatt	Geo 2 Rndt St. N.Y. - 24 Broad St. 40
Spren	Geo 2 Rndt St. N.Y. City 10
Squires	Geo 2 Rndt St. N.Y. City 5
Thomas	Geo 6 Rndt St. N.Y. 3 Broad St. 17
Upham John	St. 486 N.Y. 300
Unger	Chas Rndt 46 Exchange Place N.Y. 2
27	11. + 22

Sent notices
Feb 25/84

①

List of Stockholders

①

List of Stockholders		
Edison	Electric Light Co of Europe Limited	
Holley	Edward L.	5
Hyres	James L.	5
Khinola	E.	5
Klopf.	Henry H.	14
do	Mrs. Sadie B.	5
Hobbs	Miss Ida J.	6
Baiker	James L.	2233
Baiker	George H.	75
Barr	Edgar H.	25
Blant	Henry	1
Bailey	Floyd	25
do	Lattimer	50
do	Eliza T.	5
Batchelor	E.	888
Braut	John	5
Bathurst	Chas.	10
Bergman	P.	7
Bing	Louisa	1
Bunker	Sam.	190
Cannan	Wm.	60
do	Geo. E.	4
do	E. D.	6
Campbell	J. P.	81
Clarke	Chas. L.	20
Caymann	Chas. L.	5
Chares	Higginson	10
Castellotogues	Jacques	12
Cerqua	E.	5
Crowell	Eugene J.	25
Norrand		4836

2 Forward

4836

Box Keyon	25
Colby	24
Cole	2
Congdon	1
do George E	9
Goddington	50
Cutting	315
do	75
do	350
do	175
Gunningham Mrs Mary E	1
Cuytess	1
de Ruskas	160
Francis	10
Deering	5
Dirne	5
Dodson	5
Edison	550
Earl	13
Eaton	55
Eddy	10
Elliot	10
Fater	5
Fatman	10
Fish	10
Forkes	1
Foot	20
Farnes	1
Greene	10
Griffin	2
Gildersleeve	170
Goslenhofer	3

D. Forward

11. 878

Godfrey	W. K.	21
Goddard	Calvin	5
Gomer	George Lewis "agg"	300.
"	" " " "for. P. H. Jones	1160.
"	" " " "	97
Harland	Thos.	50
Hegewisch	"	40
Holgate	H. F.	4
Hunt	H. C.	5
Jaffray	P. H. Jr.	2
do	Mrs Lydia B. Jones	25
Jagues	H. F.	9
Jayne	J. T.	3
Jehl	Francis	5
Johuston	L. C.	20
Johuson	L. C.	9
Jones	J. W.	7
Johuston	J. W. Jr.	5
Johuson	E. W.	5
do	Chas. Jr.	2
Judson	Keyton	59
Jusull	Paul	20
Kreusi	John	3
King	Chas. W.	7
Kitson	Arthur	14
Knight	Geo. H.	5
Krohn	Alfred	2
Ladd	Wm. D.	5
Lancaster	Chas. D.	20
Lewer	Oscar	1
Livingston	Thomas	

H. Hornard

12.868

McLaughlin Frank	105
McKesson J. D.	2
Meadowcroft J. H. K.	1
McLean T.	6
Miller & Gish	200
McLinnis J. O.	5
McKinsey R. H.	91
Miller F. G.	500
McKinsey Eugene	10
Mott Paul	10
Moore A. H.	5
Moses Otto	45
Morgan T. H.	2
Moore H. H.	5
Moller & Co.	11
Mott Chas. P.	2
Nickerson J. K.	5
Norris Mrs. Mary D.	1
Ord Geo. H.	8
Parsons Levi	10
Paul James W. J.	1
Platky Adolph L.	50
Pelton Guy	19
Perry W. H.	70
Peacock W. C. P.	6
Porter J. A.	10
Puskas J. H.	190
do & Rapostan	137
Puleston J.	25
Randolph Wight H.	2
Richmond James	10

5 Forward

16.043.

Rogers.	J. S.	5
Rousseau.	Constant	500
Saporas & Wamier		10.
do	A. J.	8
Saltinistall	E. S.	1
Dawson	F.	100
Sheppard	Lydia	1
Stevens	E. A.	2
Stein	Jug.	2
Schlegelinger	J. S.	1255
Smith	Chester	2
do	Luiter	1
do	Mortimer	3
Smithers.	Mrs Louisa M	4
Syllick	Geo. H.	3
Schroder	Chas.	2
Storms.	Henry	2
Scott	Geo. P. & Co.	40.
Sorel	Geo. A.	10
Squires.	W.	5
Thomas.	Geo. B.	17
Upshaw.	Geo. S.	300
Unger	Chas. & Co.	2
Upston	" R. & Co.	305
Von Hoffmann	L. & Co.	150
Wäljen	Louis.	110
do	Act & Co.	45
Watten.	Jared	1
Warren	Schuyler	500
Wallerstein	X.	442
Whiting	Miss Mary A.	10

6. Forward.

19.985

Whiting Bradford &
do. L. martine.

10

5

20.000

I certify the foregoing to be a correct
list of the Edison Electric Light Co. of
Europe, Ltd. as registered on the books
of the Farmers Loan & Trust Co. at their
closing the 28th day of April 1884 at 3 o'
clock P.M.

By J. J. Theobald
Transfer Clerk

KNOW ALL MEN BY THESE PRESENTS, that I, Thomas A. Edison, of New York City, do hereby constitute and appoint Samuel Insull, or failing him, S. B. Eaton, to be my lawful attorney, substitute and proxy, for me and in my name, to vote on all the stock held by me in the Edison Electric Light Company of Europe, Limited, at a special meeting of the Stockholders of said Company to be held in the City of New York on the 7th. day of March 1884, as fully as I might or could do, were I personally present at such meeting.

IN WITNESS WHEREOF I have hereunto set my hand and seal this 6th — day of March — 1884.

In presence of

Thomas A. Edison

His proxy



PROXY.

1884-03-07

THOMAS & Hagar, Stationers and Printers, 28 Wall St., N. Y.

Know all Men by these Presents, That
F. D. Schlesinger

do hereby constitute and appoint Chas. N. Warren

Attorney and Agent for me and in my name, place and stead, to vote as my
proxy at any election of the Edison Electric Light Co of Europe

according to the number of votes I should be entitled to vote if then personally
present

In Witness whereof, I have hereunto set my hand and seal
this 7th day of March one thousand eight hundred
and eight

Sealed and delivered in the presence of

W. H. Jamieson F. D. Schlesinger

TO THE STOCKHOLDERS OF THE EDISON ELECTRIC LIGHT COMPANY OF EUROPE.

LIMITED:-

A report on the condition of the Company was submitted at a Special meeting of the Stockholders held March 7th. 1884, since which time nothing new has transpired.

At the meeting of March 7th. the stockholders confirmed the action of your Board in giving an option to a Paris syndicate to merge the existing three Paris Companies into one Company and raising their present united Capital, 3,500,000 francs, to 10,000,000 francs. A full statement of the terms and conditions of this proposed merger was made to the stockholders at the above meeting. The option above referred to has not expired and does not expire until June 22nd. We have however had a cable from our Paris representative stating that there is a great probability of the matter being closed very shortly, in which event we presume the capital for the new company will be at once raised and work on the large central station at Paris commenced.

We are informed that the light has made steady progress in Europe during the past year. A central station of 6000 lamps capacity was installed at Milan and has been in operation for nearly a year, lighting la Scala and other theatres, as well as a number of stores and residences. Capital has been raised for a large central station in Berlin, and we are informed that negotiations are pending for the installations of stations in other cities. Mr. Batchelor is now on the way from Paris to New York with the plans and specifications for the Paris Station for the purpose of

discussing the same with Mr. Edison, in order that the best possible results may be obtained when the station is installed.

The financial condition of the Company presents a very serious aspect. At the stockholders' meeting of March 7th, a full statement was made as to the Company's bonded indebtedness of \$100,000., by which it appeared that the same becomes due November 1st, 1884, and that there was no money in the Treasury either to pay the principal or the half yearly interest due May 1st. The stockholders authorized your Board to pledge a number of our Founders' shares, if necessary, to raise money for the May interest. The Second Vice President thereupon wrote to Mr. J. P. Bailey at Paris regarding the matter, and requested him to obtain ^{a loan} for us upon a deposit of a small number of our Founders' shares, to which Mr. Bailey wrote that he would certainly arrange to have the money for us in time to pay our interest. About the end of last month, not having heard from Mr. Bailey in regard to the money, we cabled him urging immediate attention. We received a reply by cable stating that there was the greatest probability that the syndicate would be made up on Saturday May 3rd., and that it would be dangerous to press for the loan now. We cabled in reply saying that we must have the money at once, - but have received a cable from Mr. Bailey stating that the syndicate will be formed and that we shall certainly receive the money this month. We shall therefore be compelled to ask the bondholders to postpone presenting their coupons, for the present until we receive money from Paris.

Inasmuch as we cannot be certain of raising any money in

Paris, it would seem that the Company is in a critical position on account of its inability to pay the interest on its bonds. The bondholders, or any of them, can bring suit against us at any time and might possibly apply for the appointment of a Receiver. This, we are assured by Mr. Bailey, would ruin the business of the Companies in Europe, and, consequently, take away from our assets what value they now have.

If the stockholders can furnish any solution of the difficult problem of raising money to meet the interest on the bonds, a task which the present Board of Directors have been unable to successfully perform, they will render a great service to the Company.

In the judgment of your Board there is nothing else remaining to be said except what has been already set forth in the special report submitted to the ~~stockholders~~ meeting, mentioned above.

CHAS. UNGER & CO.,
680, No. 54 Wall Street,
P. O. Box 877.

New York, 10th March 1884.

Thomas A. Edison Esq.,
New York.

Dear Sir,

I was unable to be
present at the meeting
of The Edison Electric
Light Company of Europe
of which you are President
held at 65-5th Avenue
on the 7th instant.

Now can I find out
what took place at the
meeting? I am anxious
to get some information
about the conditions &
prospects of your Company
the stock of which is
quoted offered at \$15-
per share and only \$3
per share bid for it.

My friends I myself have
some shares in
Your European Company
Costing \$160 - per share.

In view of the rather
glowing accounts of the
progress of the Edison
Electric Light in Europe
published from time
to time in the Bulletin
the present low price
of the stock seems
surprising - I

I remain
Yrs truly
J. C. Gostwick.

NEW YORK, TUESDAY, FEB. 20, 1884.

What Is the Matter?

Something is the matter with the electric light. It does not progress at home or abroad as fast as was expected. The companies who own the patents publish their cheerful bulletins as usual. They are always on the point of witnessing the universal introduction of the electric light. But in fact it continues to make its way very slowly. It does not multiply in the streets of the great cities or in public buildings or private houses. The gas companies have ceased to be scared by it. They still maintain their competition prices, and their stocks go, for the most part, far above par. One of the most conspicuous signs is the decline in new electric lighting enterprises in England. That country was taken hold of the new light with an enthusiasm second only to that shown in the United States. In 1883 at this season of the year 100 bills relating to the electric light had been submitted to the English Board of Trade for presentation to Parliament; and the amount of new capital proposed to be raised for the new schemes was £3,703,778. This year so far only four such applications have been made, and the capital mentioned is only £200,000. This extraordinary falling off requires an explanation which the persons most interested do not give. No such statistics are procurable in the United States; and we are left to infer the facts from the outward and visible signs of stagnation in the electric lighting business here.

Whatever the real trouble may be we ardently hope that it will prove only temporary. The world would be indeed disappointed and pained if conclusive experiments should place the cost of the electric light too high to make it a competitor with gas. The obstacles may yet be removed by lowering the wages to a star, as Emerson said. The wind, the waterfalls, the solar energy, the electricity that plays all through and around the earth - may still be utilized for the cheap production of the electric light. Until all these have been tried and found wanting there is no reason to despair of the full triumph of a light that has already won so many honors.

Germany
CONTINENTALE EDISON
SOCIÉTÉ ANONYME
Au Capital de 1 million de francs
EXPOSITION INTERNATIONALE D'ÉLECTRICITÉ
Paris 1881
GRAND DIPLOME D'HONNEUR

ADRESSE TÉLÉGRAPHIQUE
EDISON, PARIS

1884-03-15
Paris, le 15 Mars 1884

33, Avenue de l'Opéra

Major Eaton
Second Vice President
Edison Electric Light Co. (Inc)
New-York

Dear Sir,

We confirm our respects of
yesterday.
Swan suit in Germany — Enclosed we beg
to hand you for your guidance
translation of a circular which
appeared in the 'Cologne gazette' &
which will show you what a
sensation the failure of the Swan
attack against us caused in
Germany. We will prepare a note
to answer that circular.
Yours sincerely

COMPAGNIE CONTINENTALE EDISON

A. D. Buis
ADMINISTRATEUR GÉNÉRAL

could letter
ca. 1890-1891
15/3/1884

Translation of the circular

(matter about Edison's patent of the 15th inst)

In the N. 23. of the Cologne Gazette there is a note saying that, the demand of the Swan Company asking the Patent Amt to declare the Edison patents void or at least to limit them, having been rejected, the Edison Coy. is alone entitled to manufacture incandescent lamps with carbon filaments.

In face of that declaration the undersigned request all those who take an interest in the question to put themselves together so as to be able through a combined action to prevent the great harm which will be done to German industry in the matter.

Without prejudice of other propositions, the undersigned are of opinion at first to do:

1. to collect from competent men opinions against the pretensions of the Edison Coy.

2. to make a demand of nullity of the Edison patents based on these opinions

the matter being of

(2)

such enormous ^(an. German. enormous) importance
kindly reply as soon as possible
letting us know your suggestions

Yours sincerely

Schuyler N. Warren & Co.
Exchange Place

New York, 5 April 1884

Ans
J. W. Edison

I had an enquiry
today for 100 shares
of European, the quotation
for the stock is $7\frac{1}{2}$ @ 10
If you care to sell kindly
send me word.

yours very truly
S. N. Warren

J. W. Edison Esq

R. McQuade Parent Co offered
@ 130. Isolated 80 @ 95
Illuminating 55 @ 65
M. S. G.

TRANSFERS OF STOCK

IN THE

~~PULLMAN'S PALACE CAR CO.~~

Edison Electric Light Co.
Farmers' Loan & Trust Co.

TRANSFER AGENTS

AT

NEW YORK.

For Week Ending _____ 18

Edison Electric Light Co of Europe Limited

Record of Transfers of ~~HULLMAN'S PATENT~~ CAN. CO. Stock, by FARMERS' LOAN & TRUST CO., Transfer Agents, at New York, for Week ending April 12th 1884

STOCK SURRENDERED.

DATE OF SURRENDER.	NUMBER OF CERTIFICATE.	NUMBER OF SHARES.	IN WHOSE NAME
Mar 17 ⁸⁴	804 ✓	10	Bartholomew Mariner
	747 ✓	12	J. P. Schlessinger
	800 ✓	10	Bartholomew Mariner
	395 ✓	5	W. H. Carter
Apr 12	309 ✓	160	T. A. Edison
		1727	

STOCK ISSUED.

DATE OF CERTIFICATE.	NUMBER OF CERTIFICATE.	NUMBER OF SHARES.	IN WHOSE NAME	ADDRESS.
Mar 17 ⁸⁴	814 ✓	10	Geo. Lewis Farmer	Utty for T. A. Edison
	815 ✓	27	Geo. Lewis Farmer	
Apr 12	816 ✓	380	W. S. Perry	
	821 ✓	1190	T. A. Edison	
		1727		

April 14th. 84.

Major Eaton:-

I am constantly getting enquiries from Europe with relation to new methods that we have adopted in connection with the electrical part of our business; requests for drawings or copies of drawings of new dynamos, and other things which we turn out. In fact, for all kind of information with relation to the system.

I am anxious to know what is my exact status with relation to these enquiries. Am I by agreement compelled to give such information at my own cost? or have I a right to charge for same? All I wish to do is to prevent myself from being continually burdened with these matters, but of course, I am perfectly willing to give the information if it is paid for.

Will you oblige me by looking into the matter, and advise me as to the position I should take in the matter.

This memo is prompted by an enquiry I have from Berlin to-day, asking for a great deal of information, which will take considerable time to get out.

Thos. A. Edison.
per McC.

Mr. Edison,

There is nothing in any of the contracts, either yours the European Co's, or the contract with the German Company and the Compagnie Continentale requiring you to furnish anything except models and drawings to take out patents on.

All drawings and models required for patents to be taken out you are obliged to furnish. That is all. Drawings and models for any other purposes are not provided for in any of the contracts.

S. B. Eaton

April 16th. 1884.

per Mc.G.

B. G.

*Truvel
You can charge
for the labor etc
for the repairs required*

*The Edison Electric Light Company
of Europe Limited*

65 Fifth Avenue New York April 28th. 1888

Thomas A. Edison, Esq.

City.

Dear Sir:-

A special meeting of the Directors of the Edison Electric Light Company of Europe, Limited, will be held at the office of Messrs. R. L. Cutting Jr. & Co., No. 19 William Street, New York City, on Wednesday, April 30th. 1888, at 1 o'clock, P. M. for the purpose of discussing some method for raising money to pay the May interest on the Debenture Bonds of the Company.

Yours truly,

Wm H. Meadowcroft

Secretary.

Edison Co of Europe

Supplemental affidavit

City and County of New York s s

William H. Meadowcroft being duly sworn deposes and says:

I am Secretary of the Edison Electric Light Company of Europe, Limited, and make this statement in addition to the return of said Company verified and filed on ^{April} March 24th. 1884, and make it a part thereof.

The entire capital stock of the Company, \$2,000,000, has been issued for patents. There have been no profits whatever, and there are existing liabilities of over ^{136,938.59} \$100,000, without any assets. There has been constant outlay and no profit or dividend.

The Company is not engaged in manufacturing, nor does it own, lease or use any factory, machinery or manufacturing appliances. It is not engaged in selling machines or merchandise of any description, nor does it carry a stock of goods or merchandise. The only business the Company has ever done was to take out patents in European countries for Mr. Edison's electric light inventions. The value of these patents is still in doubt, and thus far they have resulted in no profits whatever.

The stock has no regular market value. It is now selling for \$10 per share, the par value being \$100. If the stock were placed on the market in any quantity, even though to only

Sworn to before me, this 28th day of March 1884.

W H Meadowcroft

a reasonable extent, the price would be broken, and probably no sales could be made at all.

I believe that no correct conclusion as to the taxable value of the stock can be deduced from any prices that have been paid for the stock hitherto; and further that the stock has as yet only a merely nominal value. The sold and only assets of ~~a certain amount of a business April 1, 1904~~ the Company consists of ~~stock in other corporations~~. I therefore aver, in behalf of the Company, that within the meaning of the tax laws of the State the ~~stock~~ ^{property} of the Company has no ~~ascertainable~~ ^{in taxes on any} taxable value, and that the Company should not ~~in any event be~~ ^{deem whatever} assessed at more than the amount of cash on hand in the treasury of the company on the 1st of January 1894, which amount did not exceed \$500.

(signed) W. H. Heddowcroft

Subscribed to and Sworn

before me this 30th day of April 1894.

(Sworn to before Dep. Comm'r. Aussen)

COMMISSIONERS' OFFICE

Please State the full name of the Corporation.

Company of Europe Limited

Total actual Assets,	
<i>Scaled up by value undeterminable</i>	

Capital Stock actually paid in, or secured to be paid in, - \$ 2,000,000.00

Capital Stock actually paid in, or secured to be paid in, - \$ 2,000,000.00

Amount of Surplus Earnings, *Now*

Rate of Dividend for last year, or last Annual Dividend, - \$ None

Is the Company assessed by the State under Chapter 861, Laws of 1881?
 Liabilities in detail, as follows:

Debenham Bonds now outstanding (due Nov. 1, 1884) # 100.00

Other accounts for machinery Engd sources have the 10.5

110.2

There is also the interest on above Bonds at 6% accruing: it

and Chamber

Amount paid for Real Estate, _____

Stone

bioRxiv preprint doi: <https://doi.org/10.1101/2019.05.20.254400>; this version posted May 20, 2019. The copyright holder for this preprint (which was not certified by peer review) is the author/funder, who has granted bioRxiv a license to display the preprint in perpetuity. It is made available under aCC-BY-NC-ND 4.0 International license.

[illegible]

Amounts invested in the Stocks of other

Corporations which are taxed

upon their capital, *\$ More,*

Amount invested in U. S. Securities, - \$ *none*

[illegible]

Figure 1. The effect of the initial concentration of the monomer on the polymerization of monomer 1. The polymerization was carried out at 100 °C for 24 h in the presence of 0.05 mol % of the catalyst. The concentration of the monomer was 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, and 1.0 mol/L. The concentration of the catalyst was 0.05 mol %.

[If the stock of the Company is worth less than par, state the actual value, and give the number of shares which will constitute the value.] *Noting of this article, please*

understand them with merely such estimate of his value.]

for patients there is no stock in the dividend - the money goes yet some round the Company &

large amounts of money for attorney fees in obtaining patents in Europe and also from obtaining

a) formuliert unabhängig im vorher zu erklären an die Bewertung also hier für den Handel die Abweichungen zu

The principal office or the place of transacting the said Commerce shall be in a certain place, but it may be open in other places.

is situated in the 5th Ward of the City of New York at No. 65 Trink Avenue —

Journal of Interpersonal Violence 28(6)

CITY OF NEW YORK, ss: I, William H. Westcott of the Secretary _____

of the said Corporation, being duly sworn, do hereby certify and attest that the foregoing statement is in all respects just and true.

9016

Sworn to before me, this 28th day of March 1901.

July 10, 1894. *in vacuo*

—

$\frac{1}{2} \times 10 = 5$

New Constitution

By Chap. 176, Sec. 3 of the Laws of 1851, the Commissioners are empowered to examine,

oath, the person representing the Corporation if they deem it necessary, to obtain any fuller or further information as to the economy or condition of the same.

[illegible]

Mr. Edison:

We have adjourned
the meeting of Directors of
European Co. till Monday;
so that we can hear from
Bailey. I will notify you
of the hour later today.

W H Meadowcroft

May 3/84

Minutes of the Annual Meeting of Stockholders of the Edison Electric Light Co. Europe Limited. held ~~this~~ May 4th 1884 at the offices of the Company at 40 Wall St New York 1884.05.04

The ~~Treasurer~~ ~~President~~ minutes of the meetings of the board of directors were read since the 14 day June 1883 which gives in detail the actions of the board in regard to the fusion of the three French Companies into one called the ~~Compagnie Continentale Edison~~ Also the method proposed by Mr. Carter for putting the Company ~~into~~ on a ~~new basis~~ - The ~~meaning~~ of the ~~new basis~~ required in ~~that~~ proposal Commercial basis -

A statement of account from the Treasurer was presented showing ~~how~~ the state of the Company's affairs at the ~~date~~ ~~of~~ present date a copy of which is as follows: -

Here statement

KNOW ALL MEN BY THESE PRESENTS that I, *Francis R. Upton*, of *Orange, New Jersey* do hereby constitute and appoint *S. B. Eaton* of *New York City*, Attorney and Agent for me and in my name, place and stead, to vote as my proxy at an election of Directors to be had at the Annual meeting of the Stockholders of the Edison Electric Light Company of Europe, Limited, on the 7th. day of May, 1884, according to the number of votes I should be entitled to vote if then personally present.

IN WITNESS WHEREOF, I have hereunto set my hand and

seal this *5th* day of *May* — 1884.

Sealed and delivered :
in presence of :

Francis R. Upton 

H. W. Guyon

305

KNOW ALL MEN BY THESE PRESENTS that I,

Frederick W. Foote do hereby constitute and appoint S. B. Eaton

Attorney and Agent for me and in my name, place and stead, to vote as my proxy at an election of Directors to be had at the Annual meeting of the Stockholders of the Edison Electric Light Company of Europe, Limited, on the 7th, day of May, 1884, according to the number of votes I should be entitled to vote if then personally present.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 6th day of May 1884.

Sealed and delivered :
in presence of :

Frederick W. Foote

20

[Handwritten signature and stamp]
J. B. Eaton
Secy

KNOW ALL MEN BY THESE PRESENTS that I,

Herbert Goddington do hereby constitute and appoint A. B. Eaton

Attorney and Agent for me and in my name, place and stead, to vote as my proxy at an election of Directors to be had at the Annual meeting of the Stockholders of the Edison Electric Light Company of Europe, Limited, on the 7th. day of May, 1884, according to the number of votes I should be entitled to vote if then personally present.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 6th day of May 1884.

Sealed and delivered :
: in presence of :

Herbert Goddington

William W. Foot

50

State of New York }
City and County of New York } ss.:-

J. Mc Gowan and Samuel Allen
being severally duly sworn, each for himself, says:
that he will discharge with fidelity the duties
of his office as Inspector of Election of Directors of
the Edison Electric Light Company of Europe, Limited,
at the annual meeting of the stockholders of said
Company held this 7th day of May, 1884; that
he will not receive any vote but such as he
believes to be legal, nor reject any vote which
he believes to be legal.

Subscribed and sworn to before
me this 7th day of May, 1884

Wm. H. Meadows

Notary public

N. Y. C.

J. Mc Gowan
Samuel Allen.

State of New York, :
: ss:
City and County of New York. :

We, F. Mc.Gowan and Samuel Allin, the Inspectors of the election of Directors had at the annual meeting of the stockholders of the Edison Electric Light Company of Europe, Limited, held this 7th. day of May, 1884, hereby report that having first taken and subscribed the oath hereto annexed, we entered upon the duties of our office as such Inspectors as aforesaid; that on the closing of the polls we canvassed and counted the votes cast, and find that there was present at such meeting, in person or by proxy, holders of Five thousand nine hundred and ninety five shares of the capital stock of the said Company; that there were cast at such election Five thousand nine hundred and ninety five (5995) votes; and that all of them were cast for the following named persons as Directors for the ensuing year, namely: Thomas A. Edison, James H. Banker, Robert L. Cutting, Frederick W. Foote, and S. B. Eaton.

Dated May 7th. 1884.

F. Mc.Gowan
Samuel Allin

For Directors of Edison Electric Light Co.,
of Europe, Limited.

May 7th, 1884.

Thomas A. Edison

James H. Banker

S. B. Eaton.

R. L. Cutting.

F. W. Foote.

*I vote the above
Way following*

For Directors of Edison Electric Light Co.,
of Europe, Limited.

May 7th, 1884.

Thomas A. Edison.

James H. Banker.

S. B. Eaton.

R. L. Cutting.

F. W. Foote.

*I vote the above
~~S. B. Eaton~~ for self
also proxies for Cuttington,
Foote + Upton - S. B. Eaton*

For Directors of Edison Electric Light Co,
of Europe, Limited.

May 7th. 1884.

Thomas A. Edison

James H. Banker

S. B. Eaton.

R. L. Gutting.

F. W. Foote.

For Directors of Edison Electric Light Co.
of Europe, Limited.

May 7th. 1884.

Thomas A. Edison

James M. Barker

S. B. Fulton

R. L. Gifford

P. W. Hooper

Samuel Insull

*The Edison Electric Light Company
of Europe Limited*

65 Fifth Avenue New York June 24th, 1884

T. A. Edison, Esq.

Dear Sir:-

I beg to inform you that you were elected a Director of the Edison Electric Light Company of Europe, Limited, at the annual meeting of stockholders, held May 7th 1884, and to notify you that a meeting of the Directors so elected will be held at No. 65 Fifth Avenue, New York City, on Friday, June 27th. at 3:30 P. M., for the election of officers and to discuss the present condition of the Company.

Yours truly,

Wm Hellelawcroft
Secretary.

1884

The Edison Electric Light Company of Europe, Limited.

65 Fifth Avenue, New York, August 15th. 1884.

To the Directors of the Edison Electric Light Company
of Europe, Limited:

This company is asked by Mr. Bailey to give its consent to certain proposed changes in the present contract with the German Co., and to certain modifications in the present arrangements with Mess. Siemens & Halske, Berlin; and I beg to submit below a full statement of all the matters involved.

The German Edison Company now has by contract the right to exploit the Edison system in Germany, both by Isolated plants and Central Stations. The Articles of Association of the German Co. (Article 2) allow that Co. to "erect branch-establishments and agencies of every description at home and abroad". Whether this means outside of Germany is not quite clear. The German Co. also possesses the right to manufacture all apparatus, including lamps. Mess. Siemens & Halske also have the right to manufacture conjointly with the German Company on paying certain royalties to that Company. The Contracts, which were executed March 13th., 1883, give to the Compagnie Continentale Edison, of Paris, founders shares entitling it to 21 per cent of the net profits of the German Company after a six per cent dividend has been paid to the cash capital. They also provide for payment to the Cie Continentale of a royalty on each lamp used or sold in Germany equal to $16\frac{2}{3}$ of the actual cost of the lamp to the German Company; also for the pay-

ment of royalties on the dynamos in each installation, at the rate of $12\frac{1}{2}$ Marks (\$3,12) per horse power of the dynamos up to 50 horse power, and beyond that, 16 Marks (\$4) per horse power. The royalty on dynamos is not yearly and is to be paid once only. When the German Company was formed, it paid in cash to the Cie. Continentale, 350,000 Marks (\$87,500), and the Cie. Continentale is to forego the above royalties until they reach the said sum of 350,000 marks, an amortizement of that advance cash payment thus taking place. The German Company now desire to add to their territory by taking also Russia, Austria and Denmark, and, while the change is being made in their contract, also to make some modifications in the terms of their original contract, March 13th., 1883.

The said proposed modifications are as follows:

1. The German Co. are now restricted to the Edison dynamo for incandescent lighting. They want the privilege of using any other type of dynamo they may choose.
2. The German Co. wish to be free to grant licenses to others to manufacture dynamos without the consent of the Cie. Continentale. Under the present contract such consent is imperative.
3. The German Co. wish to have the right to buy patents, the same to cost not more than \$5000 or \$7,500 a year. This is a new provision.
4. No royalty to be paid on dynamos by German Co.

They now pay the Cie. Continentale a royalty of \$3.12 (or \$4.00) per H. P., as explained above.

5. The lamp royalty to be raised from $16 \frac{2}{3}$ of the cost of lamps to a fixed royalty of 40 centimes, and is to be paid for every lamp used or sold in Germany, Russia, Austria, or Denmark. So far as we can judge, the old royalty would be about six cents per lamp and would decrease as the cost of manufacture decreased, while the new royalty will be fixed and amount to 8 cents per lamp.

6. The German Co. would exploit the system in all four of the above Countries with its own capital and to establish agencies in each of those Countries.

7. The German Co. to give no license for manufacturing lamps, but must manufacture all lamps itself.

8. The German Co. to pay all present and future expenses of patents in all four of the above Countries.

The above Eight items constitute the modifications, so far as I can make them out, which the German Co. now asks to have made in the original contract of March 13, 1883.

It appears that in negotiating this new Contract, the Cie. Continentale have been endeavoring to obtain, in addition to the royalties &c. which they are already entitled to, a direct participation in the profits received by the German Co. from local companies formed by it in any of the above countries. Mr. Bailey writes us that the German Co. was, however, so decidedly opposed to this, that he (Mr. Bailey) was compelled to go to Berlin to talk over the matter in person. He writes us that the

above 8 specified points have been agreed to by the German Co. and the Board of Directors of the Cie. Continentale, but that no decision has been arrived at in regard to the said direct participation in profits. In a letter to us dated Berlin, July 15th., 1884, Mr. Bailey writes that he is convinced that it is out of the question to expect a direct participation in profits of local companies to be given to the Cie. Continentale, owing to the weak patent situation in the countries above named, also to the great competition in electric lighting, and to the fact that central station companies abroad are compelled to pay a tax to the municipal authorities of cities or towns where stations would be operated. Mr. Bailey encloses in his letter of July 15th., a copy of a long letter written by him to the Cie. Continentale Edison, Paris, recommending them to forego any direct participation in profits of local companies formed by the German Company, for the reasons above stated, also for the reason that great complications would ensue by insisting on the point.

Mess. Siemens & Halske being parties to the present contracts with the German Co., it will be necessary to obtain their consent to the above mentioned changes now proposed to be made touching the existing contract of March, 1883, as well as to any other modifications to such contract that may be proposed. This consent, however, they have refused to give. Mr. Bailey writes that he has discovered the reason of this refusal, which is that they have been antagonized by the German Company. It was contemplated by the original contract of March 1883, that they (Siemens & Halske) should manufacture most of the dynamos and lamps for the

German Company, and, it appears, they accordingly built a factory, they claim, for this purpose. But they now claim that the German Co. has used the prestige or influence of the combination with Siemens to obtain money from the public for its stock, and having obtained it, has given no orders to Siemens & Halske, thereby involving them in heavy losses on account of the factory, but has had its dynamos and material made by other manufacturers.

The German Co., Mr. Bailey writes us, has offered the following modifications in regard to Siemens & Halske, and in their interest, it being Mr. Bailey's belief that by conceding the following points to Mess. S. & H. they, in return, will consent to the eight changes named above. The following seven items cover the concessions proposed by Mr. Bailey in the interest of Siemens & Halske:

1. The German Co. to have liberty itself to make its own dynamos below 500 lamps capacity, but not to have them manufactured by any other manufacturer.

2. The German Co. to take back the right of exploiting arc lamps. This right was given them in Article 11 of the Agreement of March 13, 1893. The German Co. agreed not to exploit any other system of arc light than that of Siemens, or Edison, or a system technically in advance of both. S. & H. were to exploit all other lamps, and were given exclusive right for ships of the German navy.

3. Siemens (as well as the German Co.) to be relieved from the royalty on dynamos.

4. Siemens to continue to pay the royalty to the German Co. of 50 pfennige (about 10 cents) on lamps made by them. This is provided for in Article 6 of the above mentioned agreement, dated March 13, 1883.

5. The German Co. to be bound to purchase all central station dynamos from Siemens & Halske.

6. The German Co. to pay Siemens a royalty of 5 per cent on dynamos manufactured by itself.

7. The German Co. to admit Siemens & Halske to a participation in the Lamp Factory of from 25 to 33 per centum. Just what is meant by this, I am in doubt. It would appear, although I am not sure of it, that Siemens is to be allowed to be a partner in the Lamp Factory to this extent.

The above seven items, all of which I have stated as clearly as we can make out the meaning of what is intended from the correspondence, are still under discussion at Berlin and Paris. Our latest advices are that the discussion is still going on, the parties to the discussion being the German Co., Siemens & Halske, and the Cie Continentale. Mr. Bailey thinks that the discussion will result in having matters settled substantially on the basis outlined in this statement.

We are now asked by Mr. Bailey to approve all the matters now under discussion, a brief statement of which I have now made in this paper, and he desires us to cable him at once whether

we approve or not. To be more exact, it would appear that he wants to know, first, whether the first above named eight modifications in the existing contract of March 13th. 1894, are satisfactory to this Company; and, second, whether, in order to secure the consent of Siemens & Halske to the aforesaid eight items, WE, the Edison Electric Light Co. of Europe, Limited, will give our permission to concede to Siemens & Halske the seven items last set forth above.

We are being continually called upon to make concessions, and are giving away first one thing and then another, so that in the end, judging from what has already occurred, it seems to me that we will have given away everything and will have little or nothing left. Has not the time come to hesitate before we make any further concessions? The status of our business in Europe cannot be much worse, and it may improve, consequently, it seems to me, we might take the risk of refusing to make further concessions so far as they involve a lessening of possible profits.

A meeting of the Directors of the Company to consider and take action on these questions will be held at the office of R. L. Cutting, Esq. No. 19 William street, at one o'clock, Wednesday August 27th. 1894. Mr. Batchelor will be invited to attend the meeting.



Second Vice President.

*The Edison Electric Light Company
of Europe Limited*

65 Fifth Avenue, New York. Aug. 21st 1884

Thomas A. Edison, Esq.

Dear Sir:

A few weeks ago I asked if you would pay the expenses of certifying two documents which it was requisite to be sent to Paris. You stated that you would pay such expenses if I would notify you of the amount.

The papers were executed by you and have been legalized by the Italian Consul and sent to Mr. Bailey. The expenses amounted to \$4.75, which I paid, as there was no money in the Treasury. Will you kindly loan this amount to the Company and remit check for same to me.

*Yours truly
Wm. H. Meadowcroft
Secy.*

*The Edison Electric Light Company
of Europe Limited*

65 Fifth Avenue New York August 25th. 1888

Thomas A. Edison, Esq.

City.

Dear Sir:-

I beg to remind you that a meeting of the Directors of the Edison Electric Light Co. of Europe, Limited, will be held on Wednesday, August 27th. 1888 at one o'clock P. M. at the office of R. L. Cutting, Esq. 10 William Street, for the purpose of considering the questions relating to the proposed changes in the German contract.

Yours truly,

Wm H. Meadowcroft

Secretary.

Meeting of the Directors of the
Edison Electric L. Co. of Europe
Ltd. held at the office of R. L.
Cutting, Esq. 19 William Street
New York City. August 27th, 1884.
at 1 P. M., ~~for the purpose of the~~
~~following order~~

~~Directors~~

Present

Messrs. Edison, Eaton and
Baileer, ~~and~~ Mr. Batchelor
was also present by invitation.

The Second Vice President, Mr. Eaton,

~~then~~ called attention to a statement
as to the proposed changes in the German Contract, copy of
which had been sent to each Director.

previous to this meeting. This statement is as follows:

(Copy statement)

After a full discussion of the proposed changes in the German Contract and the present situation in Europe, it was on motion

Resolved, that this Company decline to make any further concessions whatever, either in Germany or elsewhere, unless we receive an immediate cash consideration therefor; and be it further

Resolved, that this Company should retain all that is now secured to it under the existing contracts, and take the consequences of doing so, whatever they

may be, rather than to make further sacrifices, and to weaken itself by giving up the slight advantages still remaining to the Company.

Mr. Eaton was requested to notify Mr. Bailey of the above resolutions, and at the same time to intimate to him that for a proper consideration in cash, the Board might be willing to make some concessions in regard to matters in Germany, although not such considerable concessions as are now asked for, ~~etc~~

Peabody Nov 18/84
Messrs. William B. &
The Union Trust Co.

of Farley & Son Dear Sir Another
gentle reminder enquiring about
prospects of payment of the bonds of your
company, and in due time I received
reply of Oct 14th from Mr. Eaton.

From which I learned in New York
on Oct 25th, I hoped that before
this date, some arrangement
would have been made for the
payment of the past due interest
and security given bond
holders for extended time on
the principal but as yet
I have heard nothing further
from your company about
the matter. With the interest
your company holds in the
Continental Companies, I think
your company can and

should arrange to pay the
interest and give the bond
holders security for extension
of the bond and you intend
to pay them soon.

Please advise me at your
earliest convenience what
the intention of your company
is and oblige

Respectfully Yours
Charles B. Farley

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE.

Per S. S. _____

Via _____

NEW YORK, _____ 188

Meeting of European Co. at Mr Edison's
Laboratory Friday, November 28, 1884 at
4 P. M.

Present Messrs Edison, Eaton, Cutting
& Fiske -

Also by invitation Messrs Bailey -
Batchelor, Insull & Upton -

At Mr Edison's request, Major Eaton took
the chair -

Major Eaton stated that the object of the
meeting was to decide ~~whether~~ finally as to
consenting to the fusion of the 3 Paris Cos.
& ~~as~~ as to whether we should surrender our
vote power -

Mr. Bailey handed in a written statement
and asked to have the same placed on record.

It was on motion resolved that the Secy be
instructed to place the same on the minutes
of the Co. The following is the statement referred to: *By A.*

It was on Motion Resolved that we decline
to consent to the proposition embraced in the statement
of Mr. Bailey unless the Co Continentale will guarantee
that the lamp royalties coming to this company shall be
not less than \$3500 per annum.

On Motion of Mr. Fiske it was resolved that a
Committee of Shareholders be called to hear a Report from
the Co. as to its present financial condition & appoint a

E. L. Fane

A (1880)

To the Directors of the Edison E. L. Co. of Europe, Limited.

Gentlemen:- Your attention is invited to the following statement. Of the three Edison companies formed in Paris under the contract of Nov. 15, 1881, two - the Societe Electrique and the Societe Industrielle - are in a prosperous condition. The last Balance Sheet submitted to the Shareholders showed a net profit of 118,425 f. for the latter and of 236,888 f. for the former after writing off liberally for depreciation of material in the one case and for expenses of first establishment in the other.

The third Company - The Continental - showed a profit of 10,295 f. But in its Balance were included shares of the Italian Co. and parts of Founder of the German Co. at par and at 100 f. each respectively. These values were realizable at the time the Balance was made. To-day these shares have only a nominal marketable value.

Since the last Annual Report the ground leased at Paris for a central station has been abandoned, and losses on this and expensed incurred for the proposed Station, will amount (including repairs on the buildings leased and now occupied by offices of the three companies) in round numbers to one hundred thousand francs more to be deducted from the capital. The expenses of patents and patent lawsuits will also amount to a considerable sum this year. Amounts written off on two "Jumbos" built in anticipation of the central station and on other material and installations will further increase largely the deficiency of capital. The balance sheet that must be submitted to the shareholders (unless the fusion of the three companies takes place) during next month will show the loss of considerable more than half of the capital of the

Continentale and will beyond question involve the liquidation of the Company.

The cause of this situation is that the Company can have by its constitution no receipts except from the sale of licenses or of patents or from royalties. The delay in the development of central station lighting has prevented realizing the receipts anticipated at its formation from that source,

The Continentale is charged with the payment of the annuities of patents the maintenance of patent suits and generally with all expenses incident to organizing and pushing the business, by publicity or otherwise, all over the continent of Europe.

For these various purposes in addition to regular administrative expenses more than 900,000 f. has been expended since Feb. 1882. Of this sum only 450,000 f. has been replaced by receipts from the sale of patents.

In striking the balance this year, the capital will be diminished by the above enumerated losses, expenses and depreciations and 300,000 f. of Italian shares and 60,000 f. of German founders shares must be carried for only a nominal figure. These shares and parts of founder if carried in the balance of a going concern might from one day to another lawfully figure for their heretofore assumed value.

You will notice that in considering the situation of the three French companies collectively, the profits carried in the balances of the Electrique and the Industrielle make up the greater part of the deficiency of the ~~xxxxxxxx~~ Continentale, and a very

moderate valuation of the patents which in a fusion with the other companies it would be legitimate to make would present the united company in a strong position.

The actual earnings of the Industrielle and Electrique the last year augmented by the savings in expenses that will be made by fusion would amount to 15 per cent on the united capital of three millions and a half, and would give to the parts of founder belonging to the Light Co. a dividend of 56,000 f.

Another reason for the fusion is that no augmentation of capital is possible either for the Electrique or the Continentale while with a united company this would be as certain as anything in business can be, aided by a proposed premium of parts of founder.

The French companies have given to the Edison enterprise during three years, without interest the sum of 3,500,000 f.: they have organized outside of France companies with 13,500,000 f. of capital for its development: exploitation as well as manufacture have been pushed with energy and with good financial results, so that the business has reached the productive stage in all countries (except Holland) falling within their field.

By the conditions of the existing contracts between the Light Co. and the Cie. Continentale the parts of founder belonging to the American company can have no profits till the capital of the Electrique and Continentale shall have been reimbursed. This capital amounts to \$400,000; a deficiency of more than \$100,000. as above shown is also to be made good to the Continentale: and it

would be necessary to replace the capitals of the two companies - making a total of say \$700,000 to be realized from profits before anything can come to the Light Co.

This however is only a theoretical situation. As matter of fact the stockholders meeting to vote on liquidation will be called as soon as it is announced that you refuse to sanction the fusion proposed. The Directors are obliged by law to take this action and at once or they incur personal responsibility. The stockholders cannot do otherwise than vote liquidation because its present organization imposes on the Continentale heavy expenses that can now be met only from capital, and with no certainty of a change in the future, from the stockholders point of view.

The French companies offer to the Light Cie., in order to realize the fusion (1) To abandon their right to the reimbursement and reconstitution of the capitals of the Electrique and Continentale, which right subsisting would on the one hand prevent the property of the Light Co. having any value during many years if not for always, and on the other hand will as shown above force the immediate liquidation of the Continentale with a partial loss to the shareholders, but a probable total loss to the Light Co.

(2) To pay immediately to the parts of founder a royalty of 22 centimes on each incandescent lamp, whether of the Edison system or not.

(3) To pay also to the founders parts 35 per cent of the profits of the new Company after deducting only legal interest for the capital and 5 per cent of the profits for the reserve required by law.

quired by law.

They ask from the Light Co. (1) the surrender of the right of veto without which no augmentation of capital can even be made, and (2) that 2000 of the parts of founder be left in the Treasury of the new Co. in order to aid in the development of its affairs, for the advantage both of the shareholders and of the parts of founder.

The carrying out of this plan will give an immediate value to the parts of founder sufficient to cover the bondholders interest; the failure to carry it out will almost certainly involve it in the chances of a liquidation whose result no one can fully foresee.

The parts of founder in the Cie. Continentale constitute the sole and only assets of the American Co. This last named Co. has no shares, either founder or otherwise, in the Cie. Industrielle and Cie. Electrique. Consequently, if the Cie. Continentale is liquidated, the sole and only assets of the American Co. will be wiped out, as the total assets of the Cie. Continentale will not be enough to pay off and discharge the class of claims against that Cie. which, in the event of liquidation, would have to be paid before the parts of founder would get anything.

At a recent informal meeting of some of the Directors of the Light Company and of a representative of the bondholders it was desired that the demand should be made on the French companies for the guarantee of a minimum payment to the Light Co. of 40,000 f. per annum on account of royalties and profits. This was duly communicated by me to them, but a cable received yesterday (Nov. 20) leaves me no hope that this will be accorded and to the contrary assures me of the immediate liquidation of the Continentale in case this condition is insisted on.

It is my duty to say to you that the whole situation of the Edison affairs on the continent will be discredited not to say disgraced and ruined by this result. You must not count that in such a case the German and Italian companies will continue to recognize their contract obligations.

Also the patent situation will be fatally compromised.

It is now critical and delicate to the last degree but susceptible of a result equal to all our hopes. The first breath of a scandal such as will ensue from the liquidation of the Cie. Continentale will destroy all possibility of anything ever coming to the shareholders or bondholders of the Light Cie.

A friendly co-operation between the Light Co. and the bondholders in the direction of meeting the ~~is~~ offers of the Continentale will absolutely insure the interests of the bondholders and will create more than a fair probability of a large value for the property of the Light Co.

*I remain, Gentlemen
With high respect,
J. D. Bailey*

Nov 28/54

the interests of the people of

1. The purpose of the study is to determine the effect of the use of the computer on the learning of the English language.

ATTENTION: THE FOLLOWING IS A SUMMARY OF THE RESULTS OF THE
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20



Minutes of a meeting of
the Bondholders of the Edison
Electric Light Company of New York,
Limited, held at the office of
the Company, No. 65 Fifth Ave.
New York City, on Tuesday,
December 16, 1884, at 4 P.M.

The following bondholders
were present in person or by
proxy:

J. W. Fiske in person	20 Bonds
Wm. L. G. James by J. W. Fiske proxy	20 "
Samuel Cozer " " " "	20 "
G. Beccarini " " " "	20 "

Mr E. O. Battles by S. B. E. proxy,	6 Bonds
S. B. Eaton, in person	4 "
Richard Mc Clevey, in person	10 "
Francis R. Upton " "	8 "
Mr L. E. Upton by J. R. Upton, proxy	8 "
Mr E. F. Upton by " " "	4 "
King Upton " " " "	4 "
Mr E. F. Perry " " " "	4 "
E. B. Farney in person	20 "
L. W. Sewell by H. Sewell proxy	8 "
W. H. Meadowcroft in person	3 "
Chas Banfield by W. H. M. proxy	9 "
	<hr/> 168 "

The following ^{being all the remaining} bonds, were not represented
at the meeting.

James H. Barber	18 bonds
R. L. Cutting Jr	10 "
Charles Batchelor	3 "
Mr L. Hamilton	<hr/> 1
	32

Mr. Fook nominated Mr S. B. Eaton as chairman of the meeting, which nomination was seconded by Mr. Farley ~~and~~ ^{and} ~~after~~ and put to vote, whereupon Mr. S. B. Eaton was found to be unanimously elected.

Mr. Fook nominated Mr W. H. Meadowcroft as Secretary of the meeting, which nomination was seconded by Mr. Upton and put to vote, ~~whereat~~ and Mr Meadowcroft was found to be unanimously chosen.

The Chairman then called the Roll of the Bondholders.

The Chairman read a statement of the liabilities and assets of the Company, as follows:

(Copy Statement)

Mr. Paton then made a statement of the facts connected with the formation and existence of the three Paris Companies, and explained at length the points connected with the proposed consolidation of the three French Companies, and as to the proposed changes in the contract with the German Company; and the decision of the Board of Directors at its last meeting in relation thereto - After

a long discussion of these subjects.

Mr. Fiske stated that if this Company would recede from the position taken by it, ~~by~~ ^{by} ~~it~~ ^{it} in insisting on a guarantee from the Paris Companies of \$8000 per year in lamp royalties, and further that if the Company would agree to execute the contracts now proposed by Mr. Bailey and to receive the sum of 25,000 francs, and will pay the overdue interest, he Mr. Fiske, as representing 40,000 of bonds, was willing to consent to give 6 or 12 months extension of the bonds, ~~on which~~ ^{on which} ~~that~~ see what arrangements could

be made.

A vote being taken, this was found to be the sense of the meeting.

Mr. Upton then moved that a Committee of the Bondholders consisting of Messrs. Eaton, Foster and Farley, be appointed for the purpose of representing the bondholders in carrying through the spirit of the above proposition and for the purpose of taking such other steps to protect the bondholders as may seem best with full power.

Motion was then made to adjourn.

Minutes of a special meeting
of the Directors of the E. & S. Co
of Europe, Ltd. at R. L. Cuttys
Office, 19 Wm St, Dec 19th
at 3 P. M.

Present Messrs. Eaton, Cuttys
and Foot.

The 2nd Vice President, Mr. Eaton,
presented a report of the
~~the~~ Committee of the ~~Committee~~
of Bondholders, and ~~the~~ the minutes
of the meeting of the Bondholders were
also presented. The Report above
named is as follows:

(Copy Report.)

Mr. Eaton stated that Mr. Edison
had consented on his part that
the Company ^{should} accede to the propositions
of the Bondholders ~~which~~ contained
in above statement. It was
thereupon moved ^{by Mr. Drake} that this Company
recede from the position heretofore taken
by it with regard to ~~the~~ compelling
the Cie. Continentale to guarantee at
least \$1000 a year in lump
royalties, and that this Company
announce through Mr. Bailey its willingness
to execute the contracts presented by
him. Seconded & carried.

Law Offices

1884?

120 Broadway (EQUITABLE BUILDING)

EATON & LEWIS

S. B. EATON
EUGENE H. LEWIS

New York Dec. 23rd. 1884

Thomas A. Edison Esq., President,

The Edison Electric Light Co. of Europe, Limited,

No. 65 Fifth Ave., New York City,

Dear Sir,

Enclosed please find a copy of the report of the Committee of Bondholders, submitted to the meeting of the Directors of said Company held last Friday. Mr. Upton had stated that you, personally, had consented to the plan suggested by the Committee of Bondholders, the same being outlined in this report.

There was no quorum present at the meeting of the Directors but the report was adopted informally by a minority of the Board. Another meeting will be held as soon as Mr. Bailey receives certain important letters which are now on their way from Paris, and this report can then be brought up for further consideration if such is your wish.

The enclosed copy of the report is intended for your own files, so please do not feel under obligation to return it.

Very truly yours,

one enclosure.

S. B. EATON, per P.P.W.
for Committee.

Report of the Committee of Bondholders, Edison Electric
Light Company of Europe, Limited, December 19th, 1884.

Thomas A. Edison, Esq., President,
The Edison Electric Light Company of Europe, Limited,
65 Fifth Avenue, New York City.

Dear Sir:

By authority of a Committee of Bondholders holding
bonds of the Edison Electric Light Company of Europe, Limited, the said Committee having been appointed at a meeting of the said bondholders held pursuant to call at No. 65 Fifth Avenue, New York City, Tuesday, December 18th, 1884, I beg to report, by direction of the Committee, that the following plan was unanimously adopted at the said meeting of bondholders, and that the Committee were directed to submit it to your Company for approval, as follows:

FIRST:--The bondholders recommend that your Company recede from the position it has already taken of insisting as an ultimatum upon the guaranty of Eight thousand dollars per annum lamp royalty. The bondholders recognize and appreciate the fact that your Company insisted upon this guaranty in the interest of the bondholders, but the latter are of opinion, considering all the facts in the case, that this ultimatum had better be abandoned, and that the position heretofore taken in that regard be receded from.

SECOND:--The bondholders further recommend that the proposed consolidation of the existing three French Companies be approved of, provided, however, that at least the

REPORT OF COMMITTEE

OF BONDHOLDERS, EDISON

ELECTRIC LIGHT CO., OF

EUROPE, LIMITED,

December 19th, 1884.

three following points be secured, to the Edison Electric Light Company of Europe, Limited, as now proposed, to wit:

(a) The present provisions for reimbursing the original cash capital of the three French Companies to be abrogated, and none of said capital to be repaid.

(b) The lamp royalty, as now proposed, to be secured to the founders shares, as now proposed, it being the understanding of the bondholders that the proportion of said lamp royalty to belong to the Edison Electric Light Company of Europe Limited, or, more accurately speaking, to belong to the proportion of the parts of founder held by that company in the new Consolidated Company, will be about two and three-quarters cents per lamp;

(c) The early payment to the Edison Electric Light Company of Europe, Limited, New York City, of the sum of twenty-five thousand marks, the same to be applied by that company to paying the back interest on the bonds, to wit, the coupons of May and November, 1894.

THIRD:--The bondholders further require that all the parts of founder now belonging to the Edison Electric Light Company of Europe, Limited (the same now being deposited as the bondholders are informed in New York City to the order of the Company), be pledged to secure the payment of the principal and interest of the bonds; and, to that end, that all of the said parts of founder in the three French Companies be placed in trust in the hands of a trustee to be named by the Committee of Bondholders.

Inasmuch as there appear to be other creditors, to the amount of perhaps Twenty thousand dollars, more or less, besides the bondholders, the latter further request that the European Company arrange with all of the said creditors to consent to an extension of the payment of their claims, in the same manner as the bondholders propose to consent to an extension of their own claims as herein-after set forth; and that the trust, above mentioned, created by pledging the said founders shares for the security of the bonds, be made also to include the said other creditors, who are to be placed on the same footing, as regards the payment of their claims, and interest thereon beginning November 1st, 1884, as the bondholders. In case there are certain of the claims of these creditors which the European Company disputes or proposes to contest, special exception may be made touching that class of claims, with the consent of the Committee of Bondholders.

FOURTH:--If the Edison Electric Light Company of Europe, Limited, will consent to the requirements of the bondholders as above set forth, and will enter into written agreements accordingly, the bondholders, provided the said other creditors above named will do likewise, will extend the principal of the bonds, due November 1st, 1884, to November 1st, 1885, and will further postpone the payment of the interest due May 1st, 1885, until six months from that day, without interest.

The Committee of Bondholders herein referred to consists, in addition to the undersigned, of Messrs. Frederick

W. Foote and Charles B. Farley.

I am directed by the Committee of Bondholders to request you to submit this report to the trustees of your company at the earliest possible day, and to inform me what action, if any, is taken by them in regard to it.

Respectfully yours,

S. B. Eaton,

for Committee.

New York City,

December 19th, 1894.

1884-12-30

1109 Wallace St.
30 St. St.

My Dear Sir:

It might be
= perhaps be well that we pass
our hour or two before the
meeting on Friday in going
over the ^{company's} ~~firm's~~ ^{business} ~~business~~, the
Fontaine fusion and the
German business, twice
over to Benjamin's say at
2:30 P.M. Friday if it will
be convenient for you,
Kase over.

Yours very truly,

T. D. Baird

Thos A. Edison Esq

*The Edison Electric Light Company
of Europe Limited*

65 Fifth Avenue, New York Dec. 31st. 1884/88

Dear Sir:-

The special meeting of the Directors of the Edison Electric Light Co. of Europe, Limited, called for Friday, January 2nd. to be held at Mr. Edison's Laboratory, 292 Avenue B, New York City, will be held instead on Monday, January 5th. 1885, at 4 P.M. at the same place, for the purpose of deciding the following matters:

1. The fusion of the three French Companies.
2. The concessions in the contract with the German Company;
3. The fusion in Europe with Jablochkoff, through Mr. Fountaine;
4. The ratification of contract with St. Etienne Company.
5. The ratification of arrangement for central station at Dijon;
6. To authorize the execution of a Power of Attorney to carry out the above matters;
7. To act upon the resignation of S. B. Eaton as an officer and director, and upon the adjustment of his existing contract with the Company.
8. To receive and take action on Report of Committee of Bondholders, and to decide whether the recommendations contained in the said Report shall be approved and adopted.

-Your attendance is earnestly requested.

Yours truly,

Secretary.

[illegible]

NORVIN GREEN, President.

Circle

188

23

If European Edison stockholders
for each thousand of shares
will take ^{one} ~~one~~ hundred dollars
cash and new five per cent
bonds for three hundred eighty
dollars secured by about five
thousand new founders shares
~~and~~ European stockholders
will ^{reluctantly} raise money
necessary to carry this out.

READ THE NOTICE AND AGREEMENT AT THE TOP. 81

THE WESTERN UNION TELEGRAPH COMPANY

ALL MESSAGES TAKEN BY THIS COMPANY ARE SUBJECT TO THE FOLLOWING TERMS:

[illegible]

Correctness in the transmission of messages to any point on the line of this Company can be insured by contract in writing, stating agreed amount of risk, and payment of premium thereat at the following rates, in addition to the usual charge for typed messages, viz: one per cent. for any distance not exceeding 1,000 miles, and two per cent. for any greater distance. No responsibility regarding messages attaches to this Company until the same are presented and accepted at one of its offices.

Managers will be delivered free within the established free delivery limits of the terminal office—for delivery at a greater distance, a special charge will be made to cover the cost of such delivery.

THOS. T. ECKERT, General Manager.

NORVIN GREEN, President

Recevier's No.

Time Effect

Methods

Send the following message, subject to the above terms, which are hereby agreed to.

188

20

above on remaining two
 or three thousand ^{founder} shares.
 I strongly approve
 Upton's promises and endeavor
 to carry them out. Urge
 you ~~to do so~~ ^{to do so}. ~~Assure~~
 telegraph ~~me~~ ^{you} ~~and~~ ^{consent} stating
 amount ^{of} yours
 and buried Arrow
 forty Wall Street ^{Edison}

1884. Electric Light - Edison Lamp Company - General (D-84-029)

This folder contains correspondence, agreements, by-laws, and other documents relating to the business of the Edison Lamp Company. Most of the correspondence is by Francis R. Upton, general manager and treasurer of the company.

Approximately 70 percent of the documents have been filmed. The following categories of documents have not been filmed: routine correspondence regarding orders and shipments of lamps; trial balances; duplicate copies of selected documents.

Monthly Statement
THE EDISON LAMP CO.,

1884-01-01

East Newark, N. J. Jan 1st 1884

Thomas A. Edison Esq.

To R. Upton	14836.47
Bills due by us	<u>38618.25</u>
	\$ 53454.72

Bills due to us \$24427.68

Lamps on hand Dec 1st 100638
 Deduct Lamps to be Re-
 hausted &c 16809

	83829
Lamps Mfg. in Dec 1883	<u>38463</u>
	122292
	Posting \$10021.47

Hours Shift 22780

Foreign " 18422	36202	Bringing \$16052.51
Lamps on hand Jan 1 st 1884	<u>86090</u>	

Hours orders for month 28289

Foreign " " "	<u>15800</u>	39059
---------------	--------------	-------

Yours truly
Edison Lamp Co. P.

With monthly Statement
THE EDISON LAMP CO.,

East Newark, N. J. Jan 1st 1884

Bills due by us	14836.47
Francis R. Upton	2241.88
Coming Glass Works	307.70
Hobbs & Chauncey	107.15
Ice Co. New York	182.49
Bergmann & Co.	1250.00
H. Edison Coal Dept	135.80
Wm Berry & Co.	116.25
S. M. Clarke & Co.	32967.03
Bills Payable	390.07
E. Electric Tube Co.	136.80
Pum Crucible Co.	
Drudries &c as per check	833.38
makes in Final Balance	

\$ 53454.72

With Monthly Statement ¹⁸⁸⁴⁻⁰¹⁻⁰¹
THE EDISON LAMP CO.,

East Newark, N. J., Jan 1st 1884

Bills due to us

Mrs. Holger	4936.27
E. E. Light Co. Canada	46.00
T. Edison Mfg. Co.	242.16
T. Edison Agent	6624.91
Drepts for Collection	9941.05
Edison Spanish Col. Lt. Co.	151.50
E. E. Light Co. Rund &c.	1038.01
Edison Co. for B. Lt. " "	135.85
Rund &c -	19.44
Cash on hand	1262.19
	<hr/> \$ 24427.68

Plat Wire on hand	1052.39
Coal " "	231.48
Bamboo " "	3460.97
Canadian Branch	1527.88
	<hr/>

\$ 30400.40

1884-01-12

EDISON LAMP COMPANY.

THOMAS A. EDISON, PRESIDENT,
FRANCIS R. UPTON, TREASURER.

EAST NEWARK, N. J.,

Jan. 12, 1884.

Thos. A. Edison, Pres.

Dear Sir,

On Wednesday
Jan. 16, 1884. between 10 A.M.
and 6 P.M. there will be a meeting
of the stockholders of the Edison
Lamp Co. for the purpose of elect-
ing officers for the coming year,
and transacting any other business
that may be legally brought before
the meeting.

Francis R. Upton Tr

1884-01-15

THE EDISON LAMP CO.,

East Newark, N. J., Jan. 15, 1884

Thos. A. Edison Pres.

Dear Sir:

I submit to you the following report for the year 1883.

Table A shows in detail the assets of the Lamp Co. on Jan. 2, 1883 and on Jan. 2, 1884.

Jan. 2, 1884 \$170,891.83

Jan 2 1883 145,472.81

Gain in assets \$25,419.01

Less gain in bills due to Lamp Co. 8,852.44

Leaves gain in material \$16,566.57

On Table B is given in detail the profit of the business as well as the amount for the year 1883. I consider that the amount shown as profit to be a fair estimate.

If however you cut the assets still more sharply, there is a large margin over the claim that I make: which is, that the Edison Lamp Co. during the

1884-01-15
L. K. E. 2

THE EDISON LAMP CO.,

East Newark, N. J. 188

year 1883 earned ten per cent on a capital of \$250,000- and if we had this amount of money as working capital we could have easily paid a dividend to this amount, besides putting by ~~as surplus~~ ~~as surplus~~ as surplus five per cent more under a reasonable estimate of assets.

The business is now in such shape, that we can hold our own and earn interest on our capital, on the sales of lamps in this country alone, at present prices and in the same amounts as last year.

During the coming year I am anticipating an increased demand for lamps and hope by Jan. 2, 1885 to bring our indebtedness down to running bills.

Yours Truly
Francis R. Upton.

Stock % for Jan 2nd 1883

Wines	56778	@ 1.6	= 851.62
S. Porto	43389	- 3.	= 1311.67
Fino	180293	- 1.	= 1802.93
Portos	27800	- 3.	= 834.00
Plotting	8094	- 9.	= 728.46
Glass	2191	- 15.	= 328.65
Rum	14384	- 25	= 3588.00
Whisk	18100	- 20	= 4530.00
Teeling	1489	- 34	= 508.76
Packing	47400	- 30	= 15644.25

\$0117.84

Bamboo	1250.00
Platinum	750.00
Glass Unpacked	3000.00
Cruisers Salutation	
Gasoline Coal Pocket	
Rings Caps	2000.00
	7000.00

Anal Totals	25998.00
Buildings & Culture	29236.00
Wharfage	40482.00
Mercury	2000.00
	97716.00

Cash Other	
T.C. Agent	5040.00
... Assess-	708.30
Genl. Post. Camps	2574.77
Canada	573.65
Meridian	174.00
Cash	1868.25
	10638.97
	\$148472.81

Stock % for Jan 2nd 1884 A

Wines	5727	@ 0.18	= 85.90
S. Porto	22944	- 0.3	= 688.32
Fino	108229	- 0.12	= 1406.96
Portos	80809	- 0.2	= 1515.27
Plotting	10681	- 0.5	= 318.42
Glass	1919	- 16	= 307.04
Exhaust	7882	- 25	= 1970.50
Whisk	7450	- 28	= 2087.40
Teeling	34	- 20	= 10.20
Packing	86090		28091.78

\$7333.87

Bamboo-Plato	3460.97
Platinum	1082.39
Glass Unpacked	2000.00
Cruisers Salutation	
Gasoline Coal	
Gold Rings & Caps	2000.00

\$513.36

Anal Totals	28059.87
Build. & Culture	31008.11
Wharfage	41517.81
Mercury	8000.00
Canada-Harvey	1527.88
Salento	140.00

105683.19

U.S. Co. for Camps	9971.05
Genl. "	6624.91
Wharfage	1481.76
Cash	1262.19
Spanish Co.	151.50

19491.41

\$140891.83

Jan 2nd 1883

Cash paid by Partners	163011.41	
" " F.R.L.	27024.62	
Laurels Sold to 1882	13175.29	
" " to 1883	91229.52	
		\$ 294437.84

Liabilities

Note to F. Macgys	2254.65	
Due Corning	14980.67	
" Edison Co's	10716.31	
" Sund F's	11000.87	
		\$ 38982.52
		\$ 333420.36

Laurels Sold \$ 1044404.81

Assets Jan 2 1883 145472.51 \$ 2449877.62

Loss since start in 1872 - \$ 88542.74

Jan 60

Jan 2nd 1884

B

Cash paid by Partners	163011.41	
" " F.R.L.	14836.47	
Laurels sold to 1883	13175.29	
" " " 1884	91229.52	
" " " 1884	139758.24	
		\$ 422010.93

Liabilities

Note to F.R.L.	19779.42	
" " Corning	210020.00	
" " Others	3147.61	
Due Edison Co's	1879.71	
" " Corning	2246.88	
" " Sund F's	1529.63	
		\$ 38615.25
		\$ 460629.88

Laurels Sold \$ 244163.05

Assets Jan 2 1884 170891.83 \$ 415054.88

Loss since start in 1872 - \$ 45574.30

Loss on Jan 1883 88542.74

" " 1884 45574.30

Gain 1883 - \$ 87965.44Appropriated

Revised Statement	12549.42	
Revised Bill due	882.44	
" " Stock	8729.39	
" " Value E. Munk	2061.87	
Andries income	5778.82	
		\$ 30961.44

EDISON LAMP COMPANY.

THOMAS A. EDISON, PRESIDENT,
FRANCIS R. UPTON, TREASURER.

1884-01-22.

EAST NEWARK, N. J., Jan. 22, 1884

Dear Mr. Edison, I thought I should allow you to know
that we have on hand a very large stock of old style and vintage B lamps. The vintage lamps are valued at two cents each and the other lamps are very hard to sell.

Would you be willing that I should sell the Western Union these lamps? If we could get 25 cents each it would be bargain, as the new lamps are in so much smaller globes and have so much better carbons that the selling is growing more difficult.

It seems a shame to break them up.

Yours Truly
Francis R. Upton

EDISON LAMP COMPANY.

THOMAS A. EDISON, PRESIDENT,
FRANCIS R. LYTTON, TREASURER.

NEWARK, N. J.

1894-01-26

Dear ~~Mr. Lytton~~ ^{Mr. Lytton} is water gas
NO ^{Edison} ~~Lyton~~ ^{Storrett}
I desire ^{to} ~~you~~ ^{you} have
lamps: We have ^{about} 2000
in stock and ^{are} ~~to~~ ^{to}
give them the very best
lamps. We have made a
number of life tests on these
lamps and feel confident that
they will give satisfaction.
You have the machine to
give the E. M. F. in this station.
Have you anything to say?

Yours Truly
Francis R. Lytton

EDISON LAMP COMPANY.

1884-01-30

THOMAS A. EDISON, PRESIDENT,
FRANCIS R. UPTON, TREASURER.

EAST NEWARK, N. J.

Jan. 30, 1884

Dear Mr. Edison

In answer to your
enquiry regarding lamps at
various candle power.

The following table has been
made by Howell.

Power required to run 500
lamps at varying C. P.

C. P. | Indicated H. P.

10	50
11	51.8
12	53.1
13	54.6
14	56
15	57.4
16	58.8
17	60.2

Assuming efficiency of
engine and dynamo
to be the same for
varying loads, within
the limits mentioned

Yours Truly
Francis R. Upton

W King -

This is useful -
King's record and
return

W. L. King

W. L. King

Moutney Statement
THE EDISON LAMP CO.,

East Newark, N. J. Feb 1st 1884

Thomas A. Edison Esq.

H. R. Upton
Bills due by us

14955.25
37916.38
\$ 52871.63

Bills due to us \$26463.09

Lamps on hand Jan 1st 86090
" manuf'd in " 29911 costing \$9486.33
116001

Worn Shells 16912
Worn " 16780 33662 bringing \$12206.65
Lamps on hand Feb 1st 82339

Worn ordos 15622
Worn " 11000
26622

Y
Edison Lamp Co. N. J.

With Monthly Statement

THE EDISON LAMP CO.,

East Newark, N.J. *Sept 1st 1884*

Bills due to us

Cash on	364.41
" <i>le. F. Stittwell</i>	250.00
H. A. Edison Agent	8528.61
Drafts for Collection	9442.55
H. A. Edison Mfg. Co.	243.66
Isolated Co. Sund. Co.	106.85
Bills Receivable	1500.00
E. A. Light Co. Sund. Co.	1038.01
" " " " Canada	46.00
A. D. Jacobus	6.73
Wm. Holzner	<i># 4936.27</i>
	<i>26463.09</i>
Canadian Branch	1479.50
Stock on hand	71700.44
	<i># 39643.03</i>

With Monthly Statement

THE EDISON LAMP CO.,

East Newark, N. J., Feb 1st 1884

Bills due by us	
Francis R. Upton	14955.25
Bills Payable	32565.32
Common Labor Work	2007.99
J. B. Lindemeyer & Co.	550.80
Cond. Printing Co.	285.88
M. Plummer	229.53
Electric Tube Co.	202.09
Watts Campbell & Co.	207.41
Del & Hudson Canal Co.	175.35
Wallace & Sons	367.82
Fabbi & Chauncey	307.70
Ice Co. New York	107.15
R. W. Veyar	140.00
Lindemeyer & Co. as per check	
Marks on Trial Balances	769.34
	\$ 52871.65

EDISON LAMP COMPANY.

THOMAS A. EDISON, PRESIDENT,
FRANCIS S. UPTON, TREASURER.

EAST NEWARK, N. J.

Feb. 9, 1884

Dear Mr. Edison:

I'm answer to

enveloped questions.

1. The getting even volts
day after day is the result
of experience in all departments
of the business. After all our
experience, we sometimes vary
as badly as to lose 15% of
the lamps we make by having
them run beyond the limits, for
which we have a market.

2. We change the size of
the carbon as to meet the
demand. We cannot give rules
that are reliable. We recently
made as you know 800 100 cp.
lamps that we thought would
turn out right, which we

EDISON LAMP COMPANY.

THOMAS A. EDISON, PRESIDENT,
FRANCIS B. LYTTON, TREASURER.

EAST NEWARK, N. J., _____ 188

were compelled to sell for resistance lamps. at much less than the cost of manufacture. We have thirty finishing moulds now of various sizes and expect to be compelled shortly to make a number more.

3— The change was made from 6" to 6½" to meet the market

4— The 5" ten candle lamps are apt to be run too high for long life.

5— The 8" ten candle of many be cut anywhere between 5" and 6" and the dimensions changed to meet the demand.

Regarding higher candle power lamps we do not dare to advise. We have burnt

EDISON LAMP COMPANY.

THOMAS A. EDISON, PRESIDENT,
FRANCIS B. LYTON, TREASURER.

3.

EAST NEWARK, N. J., _____ 188

our fingers very badly as far
within them, having made ten
lamps for everyone we have
sold. They are by all odds
the most difficult to make,
as a slight change in carboniz-
ing alters them completely.

I suggest that you ask
the Paris factory to exchange
with us lamps. We will send
free of charge 150 lamps to
Antwerp of the same style
as 150 lamps that they may
send to us. I desire to check
the volts that are being used
in Paris and want these
lamps to be picked from as
many varieties of lamps and
volts as is possible

EDISON LAMP COMPANY.

THOMAS A. EDISON, PRESIDENT,
FRANCIS R. UFFORD, TREASURER.

EAST NEWARK, N. J., _____ 188

I also suggest that the ~~same~~
proposition be made to the
Edison-Swan Co. of England.

The making of good lamps
is a question of care as to
details already well known
by those in Paris, + and proper
liberality in expenditure.

You might remind them,
that for two years the lamps
cost over 75 cents each, though
we were selling them at 40
cents to help the general business;
and that you have always
held that a lamp must be
sold at a low price in order
that a large number should
be used.

Yours Truly,
Francis R. Ufford.

T. A. EDISON,
65 Fifth Avenue.

11- Fitts plant

New York, Feb 13th 1884

Francis R. Upton Esq.

Edison Lamp Co. East Newark N. J.

Dear Sir:-

Can you give me points on which I can base an answer to the enclosed letter from Geo. H. Bliss. Please return letter with your notes on same and oblige

Yours Very Truly.

Samuel Insull

Low volt^{lamps} will solve troubles
Your machines are too stryng
of their volts. You have squeezed
everything out of them you can

EDISON LAMP COMPANY.

THOMAS A. EDISON, PRESIDENT,
FRANCIS B. LYTTON, TREASURER.

EAST NEWARK, N. J.,

Feb. 14, 1888

Dear Mr. Dumble:

Do you know
whether the plate of the
large photo of the lamp
factory is in existence?

I believe you had some
views taken for the Paris
Exhibition.

Yours Truly
Francis B. Lytton

THE EDISON LAMP CO.,

EAST NEWARK, N. J.,

Oct 24th 1886

Saml Insull Esq.
New York

Dear Sir,

We notice the deduction
of \$13⁰⁰/₁₀₀ by the Pennan Co.
and find it was for
package charges on three
shipments, one for Material
Jan 16th, one for Lamps
Jan 16th, one for Lamps
Jan 23th.

We always have charged
for packages &c, but only
what they cost us.
Except on orders for 25,000
Lamps. We think the
above deduction is incorrect,
and if accord will be
made under protest from us.

Yours truly
Edison Lamp Co. &c.

THE EDISON LAMP CO.,

EAST NEWARK, N. J.,

Feb 27th 1884

Thos Edison Esq
New York
Dear Sir,

Your order for
25000 Lamps for
Gorman Co. came
to hand this morning.
We thank you for
putting the order on
a commercial size sheet
as our present files
will not take a larger
sheet without folding.

Yours truly
Edison Lamp Co. &c.

EDISON LAMP COMPANY.

THOMAS A. EDISON, PRESIDENT,
FRANCIS B. LYTON, SECRETARY.

EAST NEWARK, N. J.,

Feb. 29 1884

Saml. D. Small Esq
Dear Sir:

Regarding complaint
from Tiffin of lamps
breaking.

The breakage spoken of
is undoubtedly due to the
aging of lamps, a fault
we cannot wholly avoid though
we use every endeavor as to
do, having spent many thou-
sands of dollars in experiments
to find the cause.

Yours Truly
Francis B. Lyton

EDISON LAMP COMPANY.

THOMAS A. EDISON, PRESIDENT,
FRANCIS R. UPTON, TREASURER.

EAST NEWARK, N. J., Feb. 29, 1884

Saml. Inoull Esq

Dear Sir:

Regarding en-
closed account.

The bill for Platina wire
on Sept. 20, 1880, I know
nothing about. It was probably
for laboratory use.

The account of W. H. Moore
I always understood was to be
paid by the Light Co. It
was an experimental charge,
in order to get the best material
with which to make carbons.

Yours Truly

Francis R. Upton.

Monthly Statement
THE EDISON LAMP CO.,

East Newark, N. J., *March 1st 1884*

Thomas A. Edison Esq

Francis R. Ripton
Bills due by us

13795.17

38941.77

52766.94

Bills due to us # 27549.66

Lamps on hand Feb 1st 82339

" Manuf'd in "

35842 Costing #9601.71

118181

Amount Shipped 15808

Foreign " 15384

34192 Bringing #15013.29

Lamps on hand March 1st 83989

Amount Orders 15428

Foreign " 30000

15428

Yours truly
Edison Lamp Co. & Co.

With Monthly Statement

THE EDISON LAMP CO.,

East Newark, N. J., *March 1st 1884*

Bills due to us

Cash on hand	295.61
" <i>let. Stittell</i>	250.00
J. A. Edison Agent	8479.90
Drafts for Collection	11912.25
J. A. Edison Mfg Co	268.48
Isolated Co. Aud Co.	165.99
E. E. Light Co. " "	1038.01
John Dr. Howell	150.00
Mrs. Holzer	4943.42
E. E. Light Co. Canada	46.00
	<hr/> 27549.66
Canadian Branch	2467.81
Stock on hand	13783.48
	<hr/> \$ 43800.95

With Monthly Statement
THE EDISON LAMP CO.,

East Newark, N. J. *March 1884*

Bills due by us	
Francis R. Upton	13795.17
Bills Payable	31546.20
Corning Glass Works	3129.44
G. B. Linderman & Co.	1419.66
Cond Fruit Jar Co.	515.90
Baker and Co.	594.67
Pratt Manufacturing Co.	160.96
Patterson Bros	81.00
E. A. Backus	184.03
J. Dixon Crucible Co.	46.06
Mrs. L. Cummings	55.25
Hallowell Lamp & Reg. Co.	155.00
McKesson and Robbins	116.28
Watts Campbell & Co.	111.77
Peter Boyle	179.45
Ill. Co. N.Y. and K.	263.68
Send Kc as per check	
Marks on Trial Balances	412.42
	<hr/> \$ 52766.94

THE EDISON LAMP CO.,

EAST NEWARK, N. J.,

May 10 188*x*

Paul Inull Esq.

65 Fifth Ave

New York
Dear Sir,

Please sign the
enclosed note and
leave them so we
can get them when
we call tomorrow.

Yours truly
Edison Lamp Co.

THE EDISON LAMP CO.,

EAST NEWARK, N. J.,

March 11th 1884

Thomas A. Edison, Esq.

#65 Fifth Ave New York

Dear Sir,

Your favor of 10th inst
relative to shortage on our
shipment of lamps to Auturnip
is before us. Upon look-
ing into the matter we find
it utterly impossible to
have a shortage in that
shipment, as we were making
50 volt B. lamps for that
order alone. did not
have any on hand and
kept our factory going
solely on purpose to get out
700-50 v B. lamps to fill
that order for B. lamps.

We could not make a mis-
take in this instance. The
Auturnip Co. are mixed or some-
body opened the cask after it left
our hands. Yours truly
Edison Lamp Co. &

Prince Water Lang - 29-1-884
750-13 Lamps Cost Rs 4106

EDISON LAMP COMPANY.

THOMAS A. EDISON, PRESIDENT,
FRANCIS R. UPTON, TREASURER.

EAST NEWARK, N. J.,

March 18, 1884

Thos. A. Edison Agent.

Dear Sir:

Regarding enclosed from German Edison Co. The Lamp Co. are willing to stand the claim of the German Co. for lamps that have the carbon touching the glass on split rings.

We cannot however allow for broken carbons. We should like to be informed how many there were in the various shipments we have made.

In all cases we hold ourselves responsible for faults that we can prevent.

You will notice that the letter contains an order for 3000 lamps.

Yours truly Francis R. Upton

THE EDISON LAMP CO.,

EAST NEWARK, N. J.,

Mon 18th 1884

J. Madison Esq. New York
Dear Sir,

In answer to your
favor of 17th relative to short-
age in shipment to Milan.
We can safely say that the
Milan people have made a
mistake. They have neglected
to unpack the bottom layer
of lamps in the case #4106
which is just 200 lamps.
We pack our ~~cases~~^{lamps} in layers
of 200 each and a short sighted
man could easily be mistaken.
We have had several complaints
of shortage in this country
but in every case they either
found the lamps thrown one
side in the straw or packing
or neglected to unpack the
bottom layer, and in one
case a barrel was returned
to us with broken lamps and

THE EDISON LAMP CO.,

EAST NEWARK, N. J., _____ 188

We found a solid layer
of lamps in the bottom,
never been touched.

Our work before our shipment
of cask # 4406 to Milan
We did not have our B.
lamp 51700 on hand.

We made 1350 lamps
Ship to Milan 0750 "
on hand 600 "

We have not made any
or shipped any of that vol
since and we have just
had the lamps counted
and find just that
number on hand.

We know it to be impossible
for us to make a mistake of
that kind here.

Yours truly
Edison Lamp Co. N. J.

THE EDISON LAMP CO.,

EAST NEWARK, N. J.,

March 26th 1884

Samuel Insull Esq
#65 ~~High~~ Ave New York

Dear Sir,

Enclosed is an account
of the Notes you have signed
as Mr Edison's Attorney.

Due

May 16	Watts Campbell and Co.	210.52
" 15	Trallac and Sons	373.34
" 23	Peter Boyle	319.62
June 6	G.B. Friedman and Co.	1440.95
" 11	Cond Smith Jan Co.	523.64
" 17	Baker and Co.	594.67

\$3462.74

Yours truly
Edison Lamp Co. &c.

Monthly Statement
THE EDISON LAMP CO.,

East Newark, N. J. *April 1st 1884*

Thomas A. Edison Esq.

Francis R. Updon
Bills due by me

13804.87
38976.38
52781.25

Bills due to me # 30662.97

Lamps on hand *March 1st* 83989

" *Maug in* " 41620 # 12909.63
125609

Home Shirts 11011

Foreign " 18514

Lamps on hand *April 1st*

29725 # 13178.29
95884

Home orders 16586

Foreign " 15000
31586

Yours truly
Edison Lamp Co. &c.

~~With Monthly Statement~~

THE EDISON LAMP CO.,

East Newark, N. J., April 1st 1884

Bills due by us	
Francis R. Upton	13804.87
Bills Payable	33524.97
Conning Glass Works	2158.75
Baker and Co.	480.47
W. B. & Packing Co.	96.57
Pratt Manufacturing Co.	169.22
Patterson Bros.	83.40
Cond. Fruit Jar Co.	335.14
E. P. Packard	198.67
Wm. Godfrey	39.20
Rein Crucible Co.	50.30
Tom Murray	95.16
J. Dixon Crucible Co.	60.52
E. C. Fattoute	35.09
Wm. A. Remy Co.	54.05
Wm. L. Cummings	55.25
Camper Bag Co.	185.00
Wm. J. Curtis	226.00
Wm. J. Curtis & Co.	77.00
Wm. J. Curtis	59.90
McKesson & Robbins	116.28
Watts Campbell & Co.	139.67
Geo. L. New York	314.35
John Dawson	47.35
Sumd. & Co. Small	424.07
	<u>\$ 52481.25</u>

With Monthly Statement
THE EDISON LAMP CO.,

East Newark, N. J., April 1st 1884

Bills due to us

Cash on hand	1155.52
" E. F. Atwell	550.00
" A. Edison Agent	12891.38
Drafts for Collection	9694.41
" Edison Manuf'g Co	8.98
Isolated Co. Sund'g Co	185.91
Adjustment Co	138.13
E. L. Light Co. Sund'g Co	1038.91
" " " " Canada	46.00
Wm. Holzner	4953.73
	<hr/> \$ 30662.94
Canadian Branch	2709.31
Stock on hand	11881.02
	<hr/> \$ 45253.20

THE EDISON LAMP CO.,

EAST NEWARK, N. J.

April 14th 1894

J. A. Edison Esq

W. J. Edwards
New York

Dear Sir

Several months ago
I asked you for our
share of Edison Lamp Co's stock
on same conditions that
Bradley Howell & Lawson were
to receive theirs.

Now that the time has
come will you please
give it your kind
consideration.

Yours truly
Phil. S. Dyer

THE EDISON LAMP CO.,

EAST NEWARK, N. J.,

April 7th 1884

Sam'l Insull Esqy -
#65 Fifth Ave New York

Dear Sir,

Your favor of 5th inst
at hand. In future we
will ship to Geniva Co. as you
order through Messrs
Brickman and Lorbacher of
25 N. St. New York.

Cart #4106 for "Milan" Italy
was billed by us as 750 B. Lamps
@ 80¢ each, which was correct.

The price is our regular
one on orders for less than
10,000 Lamps and The Italian
Co. have always ordered less
than that quantity.

Their various orders since the
first of this year are
as follows

or

THE EDISON LAMP CO.,

EAST NEWARK, N. J., _____ 188

1884
Jan 9 - 4000 - a Lamps
Feb 31 2000 - 10 sp. " "
6000 - Total

During the last three months
of 1883 as follows

Oct -
Nov 5th 2000 - a Lamps
2000 - B. " "
Dec 17 2000 - a " "
1000 - B. " "
1000 - 10 sp. " "
8000 Total

Previous to the above only
96-100 sp. Lamps and 2000 a
Lamps ever Sept 1882.

If you wish to reduce the
price to Italian Co. we
can send enough B Lamps
extra on next shipment to make
up the difference.

Yours truly
Edison Lamp Co. D.

THE EDISON LAMP CO.,

East Newark, N. J. ^{7th} April 10th 1884Francis R. Upton Esq
Dear Sir.Below are answers to questions
asked by S. B. Eaton Pres.

(1) Present Capital	163011.41	
Interest on same	24919.91	
Cash from F. R. Upton	14836.47	
Bills due by us	38618.25	# 241386.04

East Newark Property	28059.89	
Buildings & Fixtures	31008.11	
Mach & Tool	41817.31	
Mercury	3000.00	
Manufg Stock	37393.87	
Unmanufg "	8513.36	
Patents	140.00	
Canada Factory	1527.88	
Bills due to us	19491.41	
Experimental &c.	70494.21	# 241386.04

2

THE EDISON LAMP CO.,

East Newark, N. J., _____ 188

(2)

		United States	Europe	Total
Lamps Sold	1881	\$ 13175.29		13175.29
"	"	1882	\$ 36585.52 * 54644.00	91229.52
"	"	1883	\$ 76968.24 * 62978.00	139788.24
Total		\$ 126729.05	\$ 117434.00	\$ 244163.05

(3) Practicably no other business than Electric Lighting

(4)

Our Gain in year	1883	
<u>Apportioned</u>		
Reduced Liabilities	12549.42	
Increased Bills due	8852.44	
" Stock	8729.39	
" Name East Newark ^{Property}	2061.37	- doubtful
Sumdries increase	5775.82	
		\$ 37968.44
		35000.

(5) Sufficient to pay all debts *

THE EDISON LAMP CO.,

East Newark, N. J., _____ 188

Second Memoirs

(1) ~~Edison~~ Patents
Four
Feb 19th No. 293879
Mar 18th " 295398
Dec 11th 83 " 289837
" " " " 289838

(2) No arrangements

(3) We do not see how the experience
we now have could be gained
at less cost.

THE EDISON LAMP CO.,

EAST NEWARK, N. J.,

April 14 1884

Thomas Edison Esq.

New York

Dear Sir,

We received your
favor of 5th inst
stating that you were
willing O. S. Oyer should
have one per cent interest
in this Co.

Oyer wishes to acknowledge
a letter from you. Same
effect as above.

Yours truly
Edison Lamp Co. &

THE EDISON LAMP CO.,

EAST NEWARK, N. J.,

April 14th 1887

Thomas A. Edison Esq.
New York
Dear Sir,

The certificate book
belonging to us is now
in our safe.

The certificates are all
made out and are
ready for you at
any time.

Yours truly
Edison Lamp Co.

EDISON LAMP COMPANY.

THOMAS A. EDISON, President,
FRANCIS D. UFFER, Sec'y & Treas.

EAST NEWARK, N. J., April 14, 1884

Thos. A. Edison Esq
65 Fifth Ave N.Y.C.

Dear Sir:

My understand-
ing with Messrs Hummel,
Bradley, Lawson and Dyke
is, as concerns the one share
of the Edison Lamp Co. agreed
to be sold to them;

Mr. Edison sells to the
Edison Lamp Co for the full
force of the assessments with
interest added, four shares
of the Lamp Co. He will
hold them as trustee for
the four men mentioned, until
they have paid to the Lamp
Co. the money ~~to~~ paid to
Mr. Edison together with the

EDISON LAMP COMPANY.

THOMAS A. EDISON, President,
FRANCIS D. UFFER, Sec'y & Treas.

EAST NEWARK, N. J., 188

interest. Then the shares will
be transferred to the names
of the individuals.

With this is enclosed a
memo. of the amount due Mr.
Edison. We credit him as agent.

You will draw up a
trust deed, stating that
Mr. Edison holds the shares
in trust, and that he expects
at least a week to be
paid by the individuals to the
Lamp Co. In case of failure
to pay this amount the shares
may be bought back by the
Lamp Co. on payment of
the amounts paid in to
the date of failure together
with interest.

Yours Truly Francis D. Uffer Treas.

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THE EDISON LAMP CO.,

EAST NEWARK, N. J.,

April 17th 1884

Thomas Edison Esq.
65 Fifth Ave.
New York

Dear Sir,

In accordance with
your favor of 9th inst.
We have credited Mr
M. H. H. with 190 weeks
@ \$30.00 per week and
now pay him \$50.00 per
week in cash.

Yours truly
Edison Lamp Co. D.

THE EDISON LAMP CO.,

EAST NEWARK, N. J., *April 17th 1884*

Thomas A. Edison Esq.
#65 Fifth Ave
New York

Dear Sir,

In answer to your
favor of 24th inst.
We have given your foreign
order account, credit for
\$4517²⁴/₁₀₀ bring four per cent
interest in this company,
sold to Bradley, Lawson, Howard
and Dyer by you at 1879¹/₁₀₀
each.

Capital	163011.41
Interest	24920.00
Total	187931.41

Yours truly
Edison Lamp Co. D.

7497.²⁴ with dupl id

THIS AGREEMENT made this day of
April 1884, between Thomas A. Edison of Menlo Park, in the State
of New Jersey, party of the first part, the Edison Lamp Company,
a corporation organized under the laws of the State of New Jer-
sey, party of the second part, and
party of the third part;

WITNESSETH:

WHEREAS the party of the second part did heretofore
assign to the party of the first part as Trustee one share of
its Capital Stock of the par value of Two thousand five hundred
dollars, the equitable title remaining and being in the said
party of the second part, and

WHEREAS the party of the third part is desirous of
purchasing the said stock:

NOW it is AGREED by and between the parties
hereto as follows:-

FIRST. The party of the third part hereby agrees
to buy, and the party of the second part to sell the said stock
at the sum of One thousand eight hundred and seventy nine ³¹/₁₀₀
dollars with interest thereon at the rate of six per cent to
be paid by the party of the third part to the party of the sec-
ond part in weekly installments of not less than five dollars,
and upon the full amount of One thousand eight hundred and sev-
enty nine ³¹/₁₀₀ with interest having been paid, and upon the deli-
very to the party of the first part of the certificate of the

Certificate of the said Lamp Company to the effect that such payment has been made, the party of the first part hereby agrees to transfer and assign to the said party of the third part the said share of stock, and it is to become and be his property.

S E C O N D. In case the party of the third part should at any time make default in any of the said weekly payments, then and in that case the party of the second part shall have the right to repay to the party of the third part the total sum paid by him at the time of such default and upon such repayment having been made the party of the first part hereby agrees to transfer and assign to the said Company the said stock, and it shall become and be its property discharged of all trusts whatsoever.

T H I R D. Any dividends declared upon said stock by the said Lamp Company, after the date hereof, are to be credited to the party of the third part, and shall be considered as a payment on account of said stock.

I N W I T N E S S W H E R E O F the parties hereto have set their hands and seals the day and year first above written.

WITNESS.

Monthly Statement
THE EDISON LAMP CO.,

East Newark, N. J., *May 1st 1884*

Thomas A. Edison Esq.

Francis R. Upton
Bills due by us

14010.85

\$ 41146.58
\$ 55157.43

Bills due to me \$ 29465.10

Lamps on hand Apr 1st 95884

Deduct Residual Lamps 13635

82249

Lamps Manuf^d in April 38661 *Costing \$ 10183.73*
120910

Four shifts 18345

Foreign " 9560 27905 *Bringing \$ 13199.64*

Lamps on hand May 1st 93005

Four orders 10483

Foreign " 4000
14483

Yours truly
Edison Lamp Co. & Co.

With monthly statement
THE EDISON LAMP CO.,

East Newark, N. J., May 1st 1884

Bills due by us

Francis R. Upson

14010.85

Wm. Holzer

745.32

Bills Payable

34778.32

Conning Glass Works

2527.71

D. C. Co. New York

255.35

New York Betting & Ckgs Co.

104.04

E. S. Light Co. Supply Lamp Co.

31.71

Gratt. Mainst. Co.

190.19

Patterson Bros

81.90

Stewart Bros

93.32

Coul. Fruit Jar Co.

627.99

E. P. Backus

367.72

E. T. Boland

72.38

Wm. Murray

182.36

Quic-Lark Co.

287.25

Wm. H. Barry & Co.

281.70

M. Plann

106.68

A. & F. Brown

75.67

Wallace & Sons

52.58

L. L. Tutton & Co.

150.71

Henry C. Cannon

30.00

David G. Small

\$ 262.45
\$ 55157.43

With Monthly Statement
THE EDISON LAMP CO.,

East Newark, N. J., *May 1st 1884*

Bills due to us

Cash on hand	2192.09
" <i>W. H. Stillwell</i>	750.00
<i>H. A. Edison Agent</i>	4137.90
" " <i>Manning & Co</i>	8.98
Drafts for Collection	12071.01
<i>Isolated Co. Dund & Co</i>	229.48
<i>Adjustment & Co.</i>	164.20
<i>Small Lamp & Co</i>	4.00
<i>Bills Receivable</i>	1236.45
<i>E. A. Light Co. Dund & Co</i>	1038.01
" " " <i>Canada</i>	46.00
<i>Bingham & Co.</i>	1.81
<i>" Baker & Co.</i>	133.38
<i>Howell, Gyr, Bradley & Lawson,</i>	7448.79
	<hr/> 29465.10
<i>Canadian Branch</i>	3061.54
<i>Stock on hand</i>	11768.80
	<hr/> \$ 44295.44

THE EDISON LAMP CO.,

EAST NEWARK, N. J.

May 5th 1884

John C. Toulinson Esq.
#65 Fifth Ave
New York

Dear Sir

The package of
agreements and certificate
came to hand,

The certificate will be
sent to the Secretary
of State and the
agreements will be
returned to you in
four days.

Yours truly
Edison Lamp Co.

THE EDISON LAMP CO.,

EAST NEWARK, N. J.

May 12th 1884

Paul, Insull & Co.,
#65 Fifth Ave.
New York

Dear Sir,

Your favor of 8th
inst with copy of 2nd
inst at hand.

In making our next
shipment to German
Co. we will send them
free of charge 395
lamps to make good
the number of lamps
they claim unserviceable.
We would like the German
Co. to return to us by
freight the lamps they
want replaced.

Sincerely,
Edison Lamp Co. D.

THE EDISON LAMP CO.,

EAST NEWARK, N. J.

May 14th 1884

Samuel Insull Esq
#65 Fifth Ave
New York

Dear Sir,

We will investigate
the matter relative to bad
B. Lamps sent to Milan
and will report fully
in few days.

Yours truly

Edison Lamp Co. &c.

EDISON LAMP COMPANY.

THOMAS A. EDISON, President.
FRANCIS R. UPTON, Gen'l Mgr & Treas.

EAST NEWARK, N. J.

May 17, 1884

Saml. Dinsell, Esq.

Dear Sir:

Referring

to your letter of May 9.

We will ship 3 lamps
without charge to make up
the number that are
defective.

Yours Truly

Francis R. Upton

THE EDISON LAMP CO.,

EAST NEWARK, N. J.,

May 20th 1884

Paul Insall Secy
65 Fifth Ave.
New York

Dear Sir,

Referring to yours
of 19th inst. We think
we can make Berlin
Lamps as good as new
with a few cents on each,
additional expense.
Please have them sent
to us through Hayward
Bryer & Rogers Agent at
Brooklyn or Haverling the
cheapest way without
insurance charges.

Yours truly
Edison Lamp Co. &.

THE EDISON LAMP CO.,

EAST NEWARK, N. J.,

May 22nd 1884

J. Aldison Esq.
#65 Fifth Ave.
New York

Dear Sir,

Your favor of 21st inst.
at hand, 60¢ on enclosed
bill is what we have
always charged on ship-
ments to "Cuba." We have
always considered such ship-
ments as Foreign ones.

We would call your attention
to Autowark order #203 Jan
7th. We took that order
on the 10,000 order price
with the understanding that
Autowark would order 3,000
more within six months.
The time is almost up.

Yours truly,
Edison Lamp Co. D.

EDISON LAMP COMPANY.

THOMAS A. EDISON, President.
FRANCIS R. UPTON, Secretary & Treasurer.

EAST NEWARK, N. J.

May 22 1884

S. Inshallbrook

Dear Sir:

I think
it would be well to
offer England 25,000
ten cts. @ 40 cts each
f. o. b. Liverpool.

The order to be accepted
within ten days after receipt
of offer by cable.

This price is strictly special
and only made to keep hands
busy during dull season.

Yours Truly

Francis R. Upton.

THE EDISON LAMP CO.,

EAST NEWARK, N. J.

May 27th 1888

Thomas Edison Esq.
65 Fifth Ave
New York

Dear Sir,

Enclosed find
certificate of 163 shares
of the stock of this
company belonging to
Mrs Mary Edison.

Yours truly
Edison Lamp Co.

Monthly Statement
THE EDISON LAMP CO.,

East Newark, N. J., June 1st 1884

Thomas Edison Esq.

Francis R. Upton	12322.83
Bills due by us	<u>41349.06</u>
	\$ 53571.89

Bills due to us \$ 25718.96

Lamps on hand May 1 st	93005	
" Manufactured in "	45910	
	<u>49363</u>	Costing \$4665.98
	<u>17636.8</u>	
	44427.3	

Home Shipment	10758	
Foreign "	9148	19906
		Bringing \$8708.88
Lamps on hand June 1 st	121062	
	<u>96462</u>	

Home Orders	10922	
Foreign "	<u>25000</u>	35922

Yours truly
Edison Lamp Co. D.

With Monthly Statement
THE EDISON LAMP CO.,

East Newark, N. J. ^{of} June 1st 1884

Bills due to us	
Cash on hand	303.90
" C. F. Atterwell	332.93
H. Edison Agent	6670.85
Drafts for Collection	9211.65
Isolated Co. Duends	244.52
Adjustment	190.21
Small Lamp Ac	14.75
E. E. Light Co. Duend Ac.	1038.01
" " " Canada	46.00
Howell Ryan Bradley & Dawson	7466.14
	<hr/> 25718.96
Canadian Branch	3696.16
Stock on hand	12604.59
	<hr/> \$ 42019.69

THE EDISON LAMP CO.,

East Newark, N. J., _____ 188

Howard	49620.72
Wm H. Barry & Co.	281.70
L. H. Giltotson & Co	150.71
Wm Holzer	744.77
W. C. M. J. Sundt & Co.	310.95
R. W. Dyer	265.00
Wetters Co.	988.20
Henry C. Caninau	609.10
Chas. Instalt Co.	222.80
H. R. Worthington	29.70
A. & F. Brown	75.64
Wallace & Sons	52.58
Bergmann & Co.	20.69
Jas. M. Fitzgerald	15.96
A. W. Buckley	55.00
Small accounts	125.34

\$ 53571.89

With Monthly Statement
THE EDISON LAMP CO.,

East Newark, N. J. June 1st 1884

Bills due by us

Francis R. Upton	12322.83
Bills Payable	31579.50
Corning Glass Works	1292.67
E. E. Light Co. Loan	1500.00
T. A. Edison Mfg. Co.	1661.07
Pratt Mamm Co.	378.95
H. B. Linderman & Co.	385.41
Patterson Bros	113.65
Howarth Bros	93.32
E. E. Light Co. Small Lamp Co.	35.13
Cou & Knit Jar Co.	50.00
Jas. R. Payne Jr Co.	16.20
Wm. L. & C. Mfg. Co.	32.80
J. Dixon Crucible Co.	13.26
Crowell & Coe	10.33
Thos Macknet & Co.	9.73
E. C. Hauteute	10.64
W. N. Walker	8.35
S. M. Clark & Co.	99.35
Peter Hayden	7.53
Carried forward	<u>\$49620.72</u>

Frome Hopley on English Ed's don't to
make "Chair own Lamp".

THE EDISON LAMP CO.,

East Newark, N. J., June 19, 1884

Thos. A. Edison, Esq.

Dear Sir:

I suppose we
sent the copy of
this to Flood & Co.
in reply to the
enclosed letter of the English Co. dated May 28.

We have no foreman such as
they desire, except our Supt. Mr. Halger.

He is the only one that knows all the
various operations needful in making the Edison
lamp. He has his entire fortune locked
up in the stock of the company and ^{cannot} ~~refuses~~
~~to afford to leave the New York~~ ~~market~~ ~~competition~~ ~~with himself~~.

We desire that you angle on the Eng-
lish Co. the following facts.

That the Edison lamps should be made
in large numbers in order that they
can be made cheaply and well. ~~We~~
~~would go on in the manufacture~~,
~~before we were able to make any~~
~~profit~~ There is little chance
that the lamps could be made in England
for less than seventy five cents each in

THE EDISON LAMP CO.,

East Newark, N. J., 188

the present quantities required.

Regarding the quality of the lamps, we feel sure that any factory starting at present would find it very expensive to keep up to our standard. We have made 2744 experiments up to the present time that have required special sets of lamps. Yet we still have ^{enough} trouble, to make us confident, that unless the greatest care were exercised, it would be impossible to keep ~~the present~~ ^{the present} quality up to ~~the present~~ ^{the present} standard of quality.

We have already offered the English Co. special terms on lamps and are prepared to make further concessions, in case we receive some assurance of future orders. We feel confident that unless the English Co. had orders for 300,000 lamps a year they would find it difficult to make a lamp to cost less than our selling price.

THE EDISON LAMP CO.,

East Newark, N. J., 188

We are constantly endeavoring to make lamps of longer life and higher resistance, unless we have sufficient orders to give us the means for such expenditure, the perfecting of the lamp will be delayed.

We feel sure that anyone, who is acquainted with our methods of manufacture, ^{whether we} by having subdivided the work as far as possible, would allow our claim that the Edison Lamp should be made in quantities to be made cheaply.

The English Co. by starting at present to make lamps would only add one more perplexity to the business. We are prepared to give ample guarantees as to the life of lamps and to sell at a price that we know is much less than the English Co. at present ~~sell~~ can make lamps for, in the quantities now needed. You cannot urge too strongly the folly of attempting to make lamps on a

THE EDISON LAMP CO.,

East Newark, N. J., _____ 188.

small scale. We have ~~also~~ had some experience as the following figures taken from our statements rendered you will show.

Lamps cost in 1881 on sales of \$13,175 ^{during the year} ~~cost~~ \$1.22 each

From Jan. to July 1882 on sales of \$35,208 — lamps cost 80 cts each

From July 1882 to Jan 1883. on sales of \$56,121 — lamps cost 44.5 cts each

During the year 1883 on sales of \$139,758 — lamps cost 40.5 cts. each.

On total sales since the business began of \$244,163 — on Jan. 1, 1884 we had lost \$45,574 —

In the French Factory lamps, we are informed on good authority, are costing about 50 cts. each. We are making lamps in Canada today in a small factory and the cost is about 80 cts. each.

5
THE EDISON LAMP CO.,

East Newark, N. J., _____ 188

You ~~express~~ as interested in the English Co. should ~~point out to them~~ ~~not allow them to think~~ that there is ~~any~~ ^{no} great profit in making lamps, unless the annual sale is very large. We have endeavored to make our product after the same methods as are employed in ~~these~~ print cloth mills. to make the article cheaply by making a very large amount. We cannot imagine a greater folly for the English Co. in the present stage of electric lighting ^{than} to divert their capital and energy into a channel that we know will bring no profit, simply to gratify a sentiment that they should make every thing in England.

We call to your attention that in other lines of trade the United States have been able to export manufactured ^{articles} to England.

For example clocks, watches, sewing machines and fine tools are regularly exported, simply because by the same methods

THE EDISON LAMP CO.,

East Newark, N. J., 188

that we have pursued, using processes adapted to large ~~quantities~~ ^{production}, they are enabled to compete with hand labor making smaller quantities.

Yours Truly
~~Wm. R. Apton~~
 Edison Lamp Co.
 By Francis R. Apton man.

600 d. a. f.
 French factory

EDISON LAMP COMPANY.

THOMAS A. EDISON, PRESIDENT,
FRANCIS H. UPTON, TREASURER.

EAST NEWARK, N. J.

June 26, 1884.

Thos. A. Edison, Agent.

Dear Sir:

Regarding the delay
in shipping balance General
order.

The B lamps we hope
to have ready soon if
we succeed in making them
run on the volts required.

We have missed twice,
two lots of lamps having
run too high to fill their
order. There we have in
stock now, with no orders for
them.

The low volt 10 cp. lamps
we shall not be able
to fill for some time,
though we expect to

be able to ship some soon and
to continue shipping in small
quantities. The 10 c.p. lamps only
give a small percentage of total
volts of the whole number
made.

Regarding price to Milan.

On an order placed promptly
for 25,000 lamps 8 c.p. B, 10 & 16
c.p. At f.o.b. Genoa ~~is~~ ~~is~~ ~~is~~
we quote the same price as
we have to Germany. 40 cts.
each.

Yours Truly

Edison Lamp Co.

By Francis R. Apton Treas.

EDISON LAMP COMPANY.

THOMAS A. EDISON, PRESIDENT,
FRANCIS R. UPTON, TREASURER.

EAST NEWARK, N. J., July 3, 1884

Thos. A. Edison, Esq.

Dear Sir:

Today I have received
from you a check for
\$ 726⁰⁰. I thank
you for the promptness
and good-will shown.
As regards my personal ar-
rangements with you, I have
found your word ~~is my~~
~~thing~~ better than most men's
bonds.

Yours Truly

Francis R. Upton

THE EDISON LAMP CO.,

EAST NEWARK, N. J.

July 28th 1884

Samuel Insull Esq
65 Fifth Ave.
New York

Dear Sir,

Please find in-
closed notification
from German Ex-Bank
of our note No. 55
for \$1180 ⁰⁰/₁₀₀ due,
August 3rd.

Yours truly
Edison Lamp Co.

Monthly Statement

THE EDISON LAMP CO.,

East Newark, N. J., Aug 1st 1884

Thomas A. Edison Esq.

Francis R. Ripton

Bills due by us

\$ 12506.71

\$ 37471.36

\$ 49973.07

Bills due to us \$27428.20

Lamps on hand July 1st 94626

Lamps sent to Pump Room

to be exhausted

5976

88700

Lamps Mfg in July

23577

Posting \$6719.55

112277

Hour Sheet 12437

Foreign 9754

22191

Bringing \$9280.39

Lamps on hand Aug 1st 90086

Hour orders 12648

Foreign

"

1504

14152

Yours truly
Edison Lamp Co.

~~Our~~ Monthly Statement
THE EDISON LAMP CO.,

East Newark, N. J., Aug 1st 1884

<i>Bills due by us</i>	
Francis R. Upton	12501.71
Bills Payable	31908.34
Wm. Holzer	809.66
T. A. Edison Mfg Co	1661.07
E. E. Light Co. Sund Gc.	352.63
Wm. H. Bony & Co.	312.70
E. E. Light Co. Small Cans	168.13
W. B. Rudenauer & Co.	166.22
Howard Bros	98.09
Cond. Hunt Jar Co.	319.44
E. P. Backus	143.51
Newark Lumber Co.	41.55
Wm. Murray	58.16
J. Dixon Cyclopedia Co.	59.26
Coming Glass Works	76.00
Baker & Co.	264.33
Miss Conity Savings Bank	212.50
R. W. Dyer & Son	225.00
Sund Small Gc's	594.77
	<u>\$ 49973.07</u>

With Monthly Statement
THE EDISON LAMP CO.,

East Newark, N. J., *Aug 1st 1884*

Bills due to us

Cash	625.18
" <i>E. H. Bennett</i> Dupt	154.34
" <i>A. Edison</i> Agent	8741.30
Drafts pr Collection	9380.75
<i>Howard</i> & <i>Bradley</i>	5502.93
<i>Chas. Kriman</i>	897.48
<i>Isolated Co.</i> Sund Gc	282.40
<i>J. W. Co.</i> Mts	874.14
<i>Wm. Hobbs</i>	79.84
<i>W. F. Stewart</i> Loan	428.00
Adjustment Gc.	143.14
<i>Edison Lamp Co.</i>	57.00
Bills Receivable	74.70
<i>Light Co.</i> Canada	46.00
<i>J. S. White</i> - <i>Wm. Mfg Co.</i>	191.00
	<hr/> 27 428.20

Canadian Branch
Strok on hand

4572.16
10855.47

\$42858.83

THE EDISON LAMP CO.,

EAST NEWARK, N. J.

Aug 15th 1884

Thos Edison Esq.
65 Fifth Ave. ^{ampere economy}
N.Y.C. ^{to the} New York Lamp
Advertis.

In a letter from
Mr Mann from Cumberland
he says you spoke to
him about a long life
economy lamp for street
lighting, as he wishes
information from us
will you kindly write
us what you said to
him about them.

Yours truly
Edison Lamp Co. &

THE EDISON LAMP CO.,

EAST NEWARK, N. J.

Aug 19th 1884

Prof. A. Edison Esq.

New York

Dear Sir,

Herewith you will find 1 doz 2 1/2 watt lamps. Will you kindly give some attention to getting up a suitable Battery for these lamps.

Yours truly
Edison Lamp Co.

THE EDISON LAMP CO.,

EAST NEWARK, N. J.

Aug 20th 1884

Thos A. Edison Esq.
#65 Fifth av.
New York

Dear Sir,

Your favor of 19th
inst. at hand.

We have no orders in
for Milan just at
present. but will send
them 50-100 cpl. lamps
the first opportunity.

Yours truly
Edison Lamp Co.

Monthly Statement
THE EDISON LAMP CO.,

East Newark, N. J. *Sept 1st 1884*

Thomas A. Edison Esq.

Francis R. Upton

Bills due by us

12605.41

29861.10

\$ 42466.51

Bills due to me \$ 27363.23

Lamps on hand Aug 1st 90086

Lamps Manuf in Aug. 23822 Costing \$ 8850.48

113908

Hour Shifts 20120

Foreign .. 11387

31507

Bringing \$ 14874.52

Lamps on hand Sept 1st 82401

Hour orders 24798

Foreign " 17862

42660

Yours truly
Edison Lamp Co. D.

~~With Monthly Statements~~
THE EDISON LAMP CO.,

East Newark, N. J. Sept 1st 1884

Bills due by us	
Francis R. Upton	12605.41
Bills Payable	34691.74
Wm. Holzer	719.57
J. Aldison Mfg. Co.	1661.07
Corning Glass Works	1111.92
E. E. Light Co. Sund. Co.	352.63
" " " Small Lamp Co.	330.21
Hayward Remy & Kyer	46.95
Pratt Mfg Co.	75.29
H. B. Lindemann Co.	166.22
Union Crucible Co.	53.93
Baker & Co.	104.33
Peter Boyle	156.78
Morris Hackins Co.	57.96
Sund Small this	333.00
	<hr/>
	\$ 42466.51

With Monthly Statement

THE EDISON LAMP CO.,

East Newark, N. J. Sept 1st 1884

Bills due to us

Cash	63.67
" <i>E. F. Stewart</i> Supt	205.10
T. Edison Agent	4532.77
Drafts for Collection	12999.20
Houru Byers & Bradley	5443.35
Isolated Co. Sund &c	298.03
Adjustment &c	143.14
<i>E. F. Stewart</i> Loan &c.	428.00
Swan Lamp &c	27.00
Chas A. Heiman	897.48
Edison Mch Works	83.90
Ill. Co. New York	824.89
E. E. Light Co. Canada	46.00
Edison Co. Milan	590.70
Edison & Swan London	542.50
Hirshfy Bros	237.50
	<hr/>
	\$ 27363.73
Canadian Branch	4889.04
Stock on hand	9998.09
	<hr/>
	\$ 42250.36

EDISON LAMP COMPANY.

THOMAS A. EDISON, President.
FRANCIS D. UFFORD, Gen'l Mgr & Treas.

EAST NEWARK, N. J., Sept. 11, 1884.

Dear Mr. Edison:

The enclosed letter from Amsterdam has received our careful attention.

We wish you would quote them our regular 10,000 and 25,000 lamp prices as given to other places in Europe.

They can be assured of the greatest regularity in the E.M.F. and we are ready to make any reasonable guarantee.

Regarding breakage in Transportation we hold ourselves responsible for any that is due directly to carelessness on our part. We can assure them that we will give great care in packing and our experience has shown that

EDISON LAMP COMPANY.

THOMAS A. EDISON, President.
FRANCIS D. UFFORD, Gen'l Mgr & Treas.

EAST NEWARK, N. J., _____, 1884

the breakage is practically nothing, and that we have always been ready to make good damaged lamps on proper representations showing that care had been used in unpacking the same.

We feel sure that our lamps will give great satisfaction.

Yrs. Truly
Francis D. Ufford

We have accepted the order in the letter and shall ship the same very soon at price mentioned.

WCU

128

128

128

Upton

I shall you about
Doubtless the King
you the letter to read &
to see I would as he cooked
the thing up

Edison

128

128

128

128

128

Brooklyn Sept 20, 1884

Dear Mr Insull

Yesterday after I had returned home I looked into my financial condition and I am afraid I shall be unable to avail myself of your offer to acquire the interest in the Lamp Company. I find that in order to pay for it I should be compelled to sacrifice other property and I have none which I could dispose of to advantage at present.

Under these circumstances I am regretfully compelled to decline the purchase. I am more especially disappointed in being unable to do you a good turn by taking the interest off your hands.

Yours very truly
E. Cronnell

EDISON LAMP COMPANY.

THOMAS A. EDISON, President,
FRANCIS B. DUTTON, Cash & Treas.

EAST NEWARK, N. J.

Sept. 22, 1884

Surm. Duvall, Esq.

Dear Sir:

I take pleasure
in calling to your attention
the present financial standing
of this Co.

There has been paid in cash
into the Treasury of this Co. by the
various individual stockholders

\$163,041.41

Interest to date 29,809.25

Loan by H. R. R. R.

22,172.91

paid & back

\$214,993.57

In the year 1883 we made
a profit on sales of about
\$35,000

This year I hope that you
we can make about \$30,000.

We shall not do as well

EDISON LAMP COMPANY.

THOMAS A. EDISON, President.
FRANCIS B. LIPPON, Cash. N.Y. & Tenn.

EAST NEWARK, N. J., _____ 188

as last year as we have brought
down our prices for lamps
sold abroad.

If we have a good
business next year I hope
to be able to pay 10%.

Yrs. Truly

Francis B. Lippon

East Newark, N. J., Sept. 25, 1884

I have written to New
Orleans about lamps for the
Mardi Gras. I do not think
that our small lamps will
give light enough.

EDISON LAMP CO.

He

Monthly Statement
THE EDISON LAMP CO.,

East Newark, N. J. Oct 1st 1884

Thomas A. Edison Esq	
Francis R. Wpton	\$ 12609.82
Bills due by us	\$ 34885.59
	<hr/>
	\$ 47495.41
Bills due to us	\$ 30516.84

Lamps on hand Sept 1 st	82401	
" mfg in "	32441	Costing \$ 9839.20
	<hr/>	
	114842	

Hours shipped 22274	
Foreign 6900	29174
	Bringing \$ 13271.29
Lamps on hand Oct 1 st	85668

Hours orders 26110	
Foreign " 11100	37210

Yours truly
Edison Lamp Co. D.

With Monthly Statement
THE EDISON LAMP CO.,

East Newark, N. J. *Oct 1st* 1884

Bills due by us

Francis R. Upton	12609.82
Bills Payable	26547.74
T. Edison Mfg Co	1621.77
Esselstam Co. Sund of	1719.12
E. Light Co. Sund of	760.75
Conning Glass Works	421.78
Pratt Mfg Co.	229.61
H. B. Lundenman Co.	499.19
Cond Fruit Jar Co.	501.56
Howard Bros ^{20.69} E. P. Backus ^{48.30}	68.99
Cum Crucible Co.	521.39
Wm Murray Co. ^{48.75} Clark of Co. ^{44.60}	194.39
M. Plum ^{57.80} Bakewell Co. ^{272.86}	332.16
Wallaer Bros ^{98.45} Lawson ^{47.35}	145.80
Wm. Hobbs ^{24.10}	718.42
Adam Cook ^{21.14} R. M. Dyer ^{75.22}	97.50
Doty of. Morris Tasker of. ^{77.96}	79.11
Quindries Quarr of	426.31
	<hr/> \$ 47495.41

With monthly Statement
THE EDISON LAMP CO.,

East Newark, N. J. Oct 1st 1884

Bills due to us

Cash	593.21
to E. Hillwell Supt	304.30
To Edison Agent	4232.77
Drafts for Collection	14323.15
Adjustment of	148.14
to E. Hillwell Loan of	428.00
Quace Camp of's	26.00
Bills Receivable	2600.00
Edison Spanish Col. Lt. Co.	151.80
Bergmann & Co.	25.73
Horne, Dyer & Bradley	5388.30
Edison Mch Works	566.60
Ill. Co. New York	824.89
Light Co. Canada	46.00
S. J. White. Van Mfg Co.	112.50
Edison Co. Milan	590.70
Kiralfy Bros	337.50
Stem Bros & Co.	17.25
Canadian Branch	\$ 30516.84
Stock on hand	\$ 4804.50
	\$ 15036.67
	\$ 50358.01

Lamp Works

Brooklyn October 2 1894
196 Clinton Avenue

Dear Mr Ingersoll

Do you think Mr Edison would sell a five per cent interest in the Lamp Co upon the same terms that you offered me Mr Johnson's interest. Will you please ask him and let me know what his reply is and oblige

Yours very truly
E. Crowell

Monthly Statement
THE EDISON LAMP CO.,

East Newark, N. J., *Nov 1st* 188*4*

Thomas A. Edison Esq.

Francis R. Upton
Bills due by me

12613.11
30390.56
#42903.69

Bills due to us \$34369.95

Lamps on hand Oct 1st 85668

" mfg in " 47473 costing #13611.36
133141

Home Shkts 26665

Foreign " 20200

47065 bringing #19581.78
86076

Home orders 28558

Foreign " 15000
43558

Yours truly
Edison Lamp Co. D.

With Monthly Statement

THE EDISON LAMP CO.,

East Newark, N. J., *Nov 1st* 188*4*

<i>Bills due by us</i>	
<i>Francis Repton</i>	<i>12613.11</i>
<i>Bills Payable</i>	<i>31039.68</i>
<i>Conning & Works</i>	<i>2577.62</i>
<i>T. A. Edison Mfg Co</i>	<i>1571.77</i>
<i>E. & L. Light Co. Sund. & General Purp</i>	<i>776.65</i>
<i>Wm. H. H. H.</i>	<i>717.87</i>
<i>Pratt & H. Co.</i>	<i>290.76</i>
<i>Cond. Fruit Jar Co.</i>	<i>991.54</i>
<i>Wm. Murray & Co.</i>	<i>168.22</i>
<i>Sm. Clark & Co.</i>	<i>78.60</i>
<i>E. P. Backus</i>	<i>77.54</i>
<i>M. Plummer</i>	<i>115.25</i>
<i>Baker & Co.</i>	<i>700.74</i>
<i>Wallace & Sons</i>	<i>97.92</i>
<i>Sundries Small ops</i>	<i>587.23</i>
<i>H. B. Lindemann & Co.</i>	<i>499.19</i>
	<i>\$ 42903 69</i>

~~With Monthly Statement~~

THE EDISON LAMP CO.,

East Newark, N. J., Nov 1st 1884

Bills due to us

Cash	3050.18
Ed. Stittell Supt	173.47
T. Edison Agent	4170.27
Drafts for Collection	18958.83
Ed. Stittell Loan ac	388.00
Isolated Co. Fund ac	160.58
Amac Lamp ac	24.00
Edison S. Col. Light Co.	151.80
Bergmann & Co.	14.97
A. Benndy & Bradley	5307.40
Edison Mch Works	478.11
E. V. Co. New York and H.	870.89
J. S. White & Son. Mfg. Co.	134.50
Milan Italy	325.00
Kiraly Bros	97.70
Stun Bros	56.25
	<hr/> 34369.95

Canadian Branch	5084.25
Stocks on hand	14208.27
	<hr/> \$ 53662.47

No.
GRAMMES IN.

EDISON LAMP COMPANY.

THOMAS A. EDISON, PRESIDENT.
FRANCIS H. UPTON, TREASURER.

EAST NEWARK, N. J.,

Nov. 17 1883

Saml. Inouell Esq.

Dear Sir:

I shall
be gone in Canada until
Thursday next week
Dyer will be in on Tuesday
for \$1500 - for pay roll and
petty cash. Hastings has provided
the same.

Yours Truly
Francis H. Upton.

[Handwritten signature]

EDISON LAMP COMPANY.

THOMAS A. EDISON, President.
FRANCIS BLIFFORD, Cashier & Treas.

EAST NEWARK, N. J. 188

We now bring this up
before you to have it
finally settled, and would
say that the total number
of lamps socketed at
that time was 25080.

You will see we only
changed you with
20080 somewhat less
than half.

Yours truly
Edison Lamp Co. D.

EAST NEWARK,

(1884 or 5) 188

We have over 10,000 more good lamps in stock ~~with~~ on Jan. 1 and 20,000 more questionable lamps. The 10,000 lamps are all ready for shipment and perfectly saleable if we had orders in for the volts wanted. Of the 20,000 ~~missing~~, 5,000 of them are old cut B lamps, 5,000 are not yet tested and about 10,000 are doubtful, though many of them we shall probably sell. These lamps do not show on our books and may be considered as salted down profits.

Now - just give us ^{for lamps} 10,000 a week orders, and pay our bills, and we can make money right along.

Yours Truly Francis R. Winton

BY-LAWS

OF

The Edison Lamp Co.

W. J. Curtis, with
SULLIVAN & CROMWELL

Counselors at Law,
DREXEL BUILDING, WALL STREET,
NEW YORK.

BY-LAWS.Officers.

The Officers of this company shall consist of ^{five} ~~four~~ directors, a President, ^{Vice President} Secretary and Treasurer.

Directors.

The Directors shall be chosen by ballot ^{that will be given to the stockholders at each annual meeting of the stockholders, and any vacancy occurring in the Board of Directors either by death, resignation or removal, shall be filled by the remainder of the board at any regular meeting.}

at special meeting

President.

The President shall be annually chosen ^{stockholders among the directors} by the Directors from their own number, and his duties shall be to preside at the meetings of stockholders and Board of Directors, to sign all contracts or obligations of the Company when so directed by the Board, except checks and notes used in the regular course of business, to perform the duties usually incident to the office and to have general management and control of the business subject to the approval and direction of the Board of Directors.

Secretary & Treasurer.

The Secretary and Treasurer shall be an-

Vice President

at annual meeting of stockholders
induction of officer
from among the directors
will be given to the stockholders
at each annual meeting

that will be given to the stockholders at each annual meeting of the stockholders, and any vacancy occurring in the Board of Directors either by death, resignation or removal, shall be filled by the remainder of the board at any regular meeting.

2

do as soon as
shall be offered with
his account for same date

for every of their annual meeting
nually elected by the ~~Directors~~ *from* the Stockholders,
and both Offices may be filled by one and the same Person
shall be elected by the Stockholders & the same shall
The Secretary shall have the care and custody of
the seal, records, minutes and stock books of the Com-
pany, and shall attend to all correspondence of the busi-
ness, and shall do and perform such other acts and du-
ties as shall be assigned to him by the Directors or
President.

Questions
\$15000.

He The Treasurer shall have the care and custody of
the books of account of the Company, shall have the cus-
tody of its funds *and shall sign all checks and notes to*
be used in the regular course of its business, and shall
do and perform such other acts and duties as shall be
assigned to him by the Directors. *shall give a bond for*
the sum of ten thousand dollars, with two *responsible*
comptrollers for the faithful discharge of his duties
Other Officers.

W. C. Thompson

The Board of Directors shall appoint such
employed
other officers, and agents as they shall deem best, and
shall fix the salaries of all of the Officers of the
Company.

Terms of Office.

The term of office of the Directors,
President, Secretary and Treasurer shall be one year or
until their successors are elected.

Documents

Meetings of Stockholders.

The annual meeting of the Stockholders
shall be held at the offices of the Company in
New Jersey, on the day of November,

Stockholders
may vote by
Proxy

which upon telling Office do know (see) certified performance (checking) of his duty

3

in each and every year and notice thereof shall be mailed to each Stockholder at his last known residence ten days in advance of said meeting.

Special meetings of the Stockholders may be held at any time by order of the President, after ten days notice in writing to the Stockholders, mailed to them at their last known residence.

H

Meetings of Directors.

The Directors shall meet the _____ day of _____ each month, at any place designated by them.

Quorum.

At the meetings of Stockholders a quorum shall consist of a majority in amount of the Stock represented at such meeting.

Transfer of Stock.

Certificates of stock shall be transferred on the books of the Company, either in person or by attorney, after ³⁰ ~~thirty~~ days notice in writing to the ~~Directors~~ ^{President} and then only upon consent of a majority of said ~~Directors~~ ^{the}, said notice shall contain information of the number of shares proposed to be transferred and the name of the proposed transferee.

Upon the transfer of stock the outstanding Certificates must be surrendered and cancelled by the Secretary.

Amendments.

These by-laws may be amended at any reg-

amended

Pres.

or special stockholders
 at any meeting of the Directors upon consent of a majority
 of the entire number of stock represented

~~The books~~

Any law to be
 inserted prohibiting
 stockholders to examine
 Books of account except
 upon consent in
 writing of the President

Clause providing
 for each stockholder
 to accept & sign
 Any Laws.

no stock to be sold mortgaged
 Hypothecated without the
 consent of the president
 & then the Option must first be
 given to the president to
 buy or loan ^{at the same} for the benefit
 of all the stockholders
 if they desire

Edison Machine
Works
(1898)

By Laws

Officers

The officers of this Company shall consist of Seven, a President, Vice-President, Secretary and Treasurers.

Directors

^{from the stockholders}
The Directors shall be chosen by ballot at each annual meeting of the Stockholders, and shall manage and conduct the business of the Company.

President

The President shall be chosen by the ^{at each annual meeting} Stockholders, from among the Board of Directors, and his duties shall be to preside at the meetings of the Stockholders and Board of Directors, to sign all contracts or obligations of the Company when so directed by the Board, to sign checks and notes used in the regular course of business, to perform the duties usually incident to the office and to have general management

Be it Enacted, That the Treasurer shall be chosen by the stockholders at the Annual Meeting of the Company, and shall hold office until the next Annual Meeting, and shall be eligible for re-election.

and control of the business subject to the approval or disapproval of the Board of Directors

Treasurer

The Treasurer shall be elected by the stockholders at their Annual Meeting. He shall have the care and custody of the books of account of the Company, shall have the custody of its funds and shall sign all certificates of stock, and all checks and notes that are in the regular course of its business and shall do and perform such other acts and duties as shall be assigned to him by the Directors. Before entering upon the performance of his duties he shall give a bond to the Company with in the sum of Ten thousand dollars with two Directors conditioned for the faithful discharge of his duties.

Secretary

The Secretary shall be elected by the stockholders at their Annual Meeting, & before taking office shall

he sworn to the faithful discharge
of his duty. He shall ^{have} the care and
Custody of the books and records
minutes and stock books of the
Company, and shall record all the
votes of the Company and directors
in a book to be kept for that purpose
and shall do and perform such other
acts and duties as shall be assigned
to him by the Directors or President

Other Officers

^{himself} The Board of Directors shall, appoint
such other officers, employees and agents
as they shall deem best, and shall
fix the salary and compensation of such
officers, employees and agents, fix the
salary of such officers, employees and
agents.

Vacancies

Vacancies

Any vacancy occurring in the Board of Directors
or in any of the Officers of the Bank, the President
Secretary or Treasurer either by death, resignation

a removal shall be filed by the stockholders at a special meeting to be called for that purpose.

Meeting of Stockholders

The annual meeting of the stockholders shall be held at the offices of the Company in ^{Champaign} on the day of in each and every year, thirty days before next meeting the books or books of the Company in which the transfer of stock shall be registered & the books containing the names of the stockholders shall at all times during the usual hours of transacting business be open to the examination of every stockholder, and ten days before such meeting the Secretary shall make out a full true and complete list of the stockholders of said Company entitled to vote at the ensuing election, with the number of shares held by each, which list shall be made and arranged in alphabetical order, and shall stay open during the usual hours of business for the examination of any stockholder.

Notice of said meeting shall be mailed to each Stockholder at his last known residence ten days in advance of said meeting.

Special meetings of the Stockholders may be held at any time by order of the President, after ten days notice is written to the Stockholders mailed to them at their last known residence.

(authorized meeting)

about stockholders may be held (any)
at all meetings of the Stockholders, a majority of the Stockholders in interest represented either in person or by proxy shall constitute a quorum. Each stockholder shall be entitled to one vote for each share of the Capital Stock held by him.

Stock & Transfer thereof -

Every stock book shall have a certificate signed by the President and Treasurer certifying the number of shares owned by each stockholder.

§ 4. New stock \$4 & 25 certificates -

As the holder of stock must always
 be a member of the company
 owning a majority of the stock

As the same person or persons may
 own a majority of the stock

The stock of the said Company shall be
 transferable only, on the books of the
 Company, by the holder thereof in person
 or by a conveyance received in said
 books, and no stock shall be sold
 or transferred and no sale or transfer for
 thereof shall be valid for any purpose
 without the written consent of the
 President, evidenced on the certificate
 of stock. And thirty days before any
 proposed sale or transfer a notice in writing
 must be given to the President by the stock
 holder desiring to transfer his
 stock, containing a statement of the
 number of shares proposed to be trans-
 ferred, the consideration therefor, and
 the name of the proposed transferee
 together with an option to the President
 to purchase the same at a price to be
 therein stated and no stock shall be
 mortgaged or hypothecated or encumbered in any
 and consent has been given without the written
 consent of the President, ^{and as aforesaid} after a like notice
 has been given containing an option to the
 President to loan the number of shares pro-
 posed to be mortgaged or hypothecated, the
 name of the proposed mortgagee ~~or~~ the
 consideration therefor together with an
 option to the President to loan on the same

Sometimes in the grant of a charter,
 the legislative commission has
 the power to regulate transfers
 of stock by the by-laws to be
 passed by the Company, but this
 by no means changes the basis
 of common law or equity applicable
 to sales of stock; and a by-law
 suggesting any unreasonable for-
 mality or imposing any straw
 drawing impediment in the
 way, unless within the power
 expressly authorized by law,
 would be void; as, for instance,
 a by-law which limited the
 right to make transfers of stock
 in an insurance Company at
the office of the Company and
with the assent of the President
 made either by the party or
 his attorney, was held a void
 by-law - It was held not
 only unreasonable, but in
 violation of trade (Serpent in
 S. Kent Clin Ins Co & Pish 20,
 Deane v. Marblehead Ins Co
 10 Mass R 476; 2 Ryd 122.)
 The rights of parties to alienate
 their property in the well-known

to the law, can not be thus restricted
by a by law."

Power on Corporations § 265/p. 339

In the absence of an express statutory
provision a corporation has
no implied lien on the stock of
a shareholder in the absence of statutory
authority a by law can not create a lien.

When by law required consent of
electors to a transfer of stock of a stock
holder indebted to the company but
in practice times in such cases were more
troubled before the board a transfer by
a stockholder made without that
consent, but according to the usage of
the co was held good against the co.
1 Jones, Penn R. 120; 12 Gray 227.

Restriction that stock shall only be
transferred on the books of the company
is good

19 Pickering 442, 10 Ala R 52.

Pa - A transfer of stock made
 according to the usage of the Co.
 is valid, as against the Co., notwithstanding
 there is a by law requiring
 the consent of the Board, which by the
 nature of the Co. was never obtained.
 Q. Was Co. 9 Smith 11 Pa St. 120, same
 held in Missouri, 20 Mo. 382, & in
 Ill. 11 Wend 627 & in Mass 10 Mass. 476,
 9 Pick 204, See 9 Minn. 149
 1 Both on C. p. 345, § 269. nva

A by law was enacted its authority to make
 it must appear either in its Articles
 of Association, or in some statute
 9 Ark. 52 Penn 451, 6 Pick 324
 10 id 484. 5 Barr 15 Penn St 345 - (also on
 Dissol. P. W.B. 16, M. Co. at al 59. ch. 113)

Now we do not assert that it is not possible
 to legally abridge this right - there may
 be power given by the statute for this
 there may be in some cases an agreement
 of the original stockholders, among themselves
 by their Articles of Association, that
 such power shall exist, the latter
 as we have seen does not appear in
 this case"

Ed. Light
Edison Lamp Co.

By Laws

By Laws of the Edison Lamp Company

Article I

Office of the Company

The Principal Office of the Company
shall be in the Township of
Harrison, County of Hudson and
State of New Jersey.

Article II

Officers

The Officers of this Company
shall consist of Directors,
a President, Secretary, Treas-
urer and manager.

Article III

Directors

The Directors shall be chosen by
Ballot at each annual meeting
of the stockholders, and shall
manage and conduct the
business of the Company.

No person shall be qualified
as a Director unless he be
a stockholder of the Company.

Article IV

President

The President shall be chosen by the stockholders at their annual meeting from among the Board of Directors.

He shall preside at all meetings of the stockholders and directors, shall sign all certificates of stock, and all contracts or obligations of the Company, and generally, shall perform the duties incident to his office. He shall have general management and control of the business of ^{the business of the company} ~~the Company~~ and perform all duties usually pertaining to his office.

Article V

Secretary

The Secretary shall be elected by the stockholders at their annual meeting, and shall before taking office take solemn and faithful discharge of his duties.

He shall have the custody and care of the seal, records, minutes and stock books of the Company, and

2 shall receive all votes of the

Company and directors in a book
to be kept for that purpose and
shall do and perform such
other acts, and duties as shall
be assigned to him by the
Board of Directors or President.

Article VI

Treasurer & Manager

The Treasurer and Manager shall
be elected by the stock holders
at their annual meeting,
and both offices may be filled
by the same person.

The Treasurer before taking
office shall give a bond to
the Company in the sum of
One Thousand Dollars, with
two securities, conditioned for
the faithful discharge of his
duties. He shall have
the care and custody of the
books of account and of the
moneys of the Company, and shall
sign ^{all} checks ^{to be} used in the regular
course of business, and shall
do and perform such other acts
and duties as shall be assigned
to him by the Board of Directors.

The Manager shall have
 charge of and Superintend the Current
 Business and affairs of the Company
 and shall do and perform such
 duties other acts and duties as
 may be assigned to him by the
^{President or} Board of Directors.

Article VII

Other Officers

The Board of Directors shall
 appoint such other Officers, agents
 and employees as they shall
 deem proper. And shall
 fix the salaries of ^{and employees} of the
 officers of the Company

Article VIII

Terms of Office & Vacancies
The Officers of this Company
shall hold Office for
one year from the date of
their election, and until
their successors have been
elected and qualified.

Any vacancy occurring in the
Board of Directors or in any
of the Offices of the Company
either by death, resignation or
removal shall be filled by
The Stockholders at a Special
meeting to be called for that
purpose.

Article IX

Meetings of Stockholders

§ 1. The annual meeting of
The Stockholders shall be
held at the Offices of the
Company in Harrison
New Jersey on the
day of _____ in each and
every year. Thirty days
before each meeting the
Book or Books of the Company
in which the transfer of stock
shall be registered and in

books containing the names of the Stockholders shall at all times during the usual hours of transacting business be open to the examination of every stockholder, and tenders before each meeting the Secretary shall make out a full true and complete list of all of the stockholders of said Company entitled to vote at the ensuing election, with the number of shares held by each, which list shall be made and arranged in alphabetical order, & shall at all times during the usual hours of business be open to the examination of any stockholder, notice of said meeting shall be mailed to each stockholder at his last known residence ten days in advance of said meeting.

§ 2 - Special meetings of the Stockholders may be held at any time by order of the

President, after ten days notice in writing to the stockholders should to them at their last known residence.

§3 - At all meetings of the stockholders absent stockholders may vote by proxy authorized in writing.

§4 - A majority of the stockholders in interest represented either in person or by proxy shall constitute a quorum.

§5 - Each stockholder shall be entitled to one vote for each share of the Capital stock held by him.

Article X

Stock & the Transfer thereof

§1 - Every stockholder shall have a certificate signed by the President and Treasurer certifying the number of shares owned by said stockholder.

~~The said certificate shall be a duplicate of the certificate of the corporation.~~

§ 2- ~~The~~ ^{The} Stock of the ~~Said~~ ^{Said} Company shall be transferable only on the Books of the Company by the Register thereof in person, assignment ^{thereof} ~~thereof~~ ^{thereof} upon or by an ~~assignment recorded in said books~~.

And no stock shall be sold, transferred, mortgaged or hypothecated, and no sale, transfer, mortgage or hypothecation thereof shall be valid for any purpose without the written consent of the person or persons owning a majority of the stock, endorsed on the Certificate of stock.

And thirty (30) days before any proposed sale, transfer, mortgage or hypothecation a notice in writing must be given to the person or persons owning a majority of the stock by the stockholder desiring so to sell, transfer mortgage or hypothecate his stock containing a statement of the number of shares proposed to be transferred, sold, mortgaged or hypothecated, the consideration therefor, and the name of the proposed ^{transferee or mortgagee} ~~and the name of the proposed transferee or mortgagee~~, together with an option to the said person or persons to sell, transfer or loan on the same at the consideration therein stated. But the giving of said notice and option shall in no way be construed as interfering with the right of the owner or owners of the majority of the stock to forbid such sale, transfer, mortgage or hypothecation.

In case a majority of the stock is owned by one stockholder the notice and option herein provided for shall be dispensed with.

and such stock-holder's consent to the transfer or other disposition of his said stock, or any part thereof, endorsed on the Certificate shall be deemed a compliance with the provisions of this section.

Article XI

Stockholders Examination of Books

~~Each~~ stock-holder shall have the right or right to examine any of the books of the said Company without the consent of the person or persons owning a majority of the stock, excepting however the book or books in which the transfer of stock shall be registered, and the books containing the names of the stock-holders, which books shall be open to the examination of every stock-holder for thirty days previous to any election of directors.

Let in this - it was
crossed by mistake

2500 400
\$ 100 0000

Article XII

Dividends.

On the ^{1st} Monday of March in each and every year the Board of Directors, after receiving over and above their Capital Stock paid in, as a working Capital, a sum to be specified by the Board of Directors and not exceeding the amount of one half of the Capital Stock paid or secured to be paid, ^{shall} declare a dividend of the whole of their accumulated profits exceeding the amount so reserved as a working Capital, and pass the share or dividend of each stockholder of such profits to the credit of their respective stockholders, and pay the same to such stockholders on demand,

Article XIII

Meetings of Directors

The Directors shall meet at Haddon, New Jersey on the day of ~~and on each meeting of year~~ ^{each meeting of year} ~~on the~~ ^{on the} ~~President may~~ Special meetings of the Directors may be held at any time by order of the President after ^{ten} days notice in writing mailed to each director at his residence or place of business.

The directors may meet at any place designated ~~by the~~ ^{by the} President within ^{or outside} of the State.

Article XIV

Amendments ^{proposed to}

shall by laws may be amended at any regular or special meeting of the stockholders upon

Consent of a majority in interest of the
stock.

Done by - same

Please see 13 box
Type writer copies
made

1884. Electric Light - Edison Lamp Company - Lamp Test Reports (D-84-030)

This folder contains correspondence and reports relating to lamp tests conducted by William Holzer.

Approximately 30 percent of the documents have been filmed. The following categories of documents have not been filmed: incomplete material; test notes and reports lacking accompanying correspondence or other identifying information.

1884-01-05

THE EDISON LAMP CO.,

EAST NEWARK, N. J., Jan 5 1884

J. A. Edison Esq.,

New York

Dear Sir,

The Lamp's Exhausts
without using Current changed quite
some in Volts + Candle Power.

In Volts they drop in an average
about - from 65 Volts + run up in
Candle Power from 44 to 54th,
in some they drop in Candle Power
+ the Glack deposits itself on lamp.

The Change of Volts + Candle Power
probably is due to a change of the
Resistance of Carbon after the Current
is applied. Will send you a full
detailed report on Tuesday next.

Will also try an experiment in running
the Lamp with very hot-lamp whilst
Exhausting the Lamp and dispensing
with the use of the Current.

Yours &c W. H. P. L.

1884-01-05

THE EDISON LAMP CO.,

EAST NEWARK, N. J.,

1884

J. A. Edison Esq.

Very Yours
Dear Sir ~~Wm. H. P.~~

Enclosed find

Curve of Lamp & Exhaust with-
out Curve.

The Gulls were heated with a
Alcohol flame after tube became
solid; & then repeated until no
sign of air bubbles appeared,
in the Column of Mercury.

And then sealed off very hot.

The Vacuum-Chamber experiment
will come through in the early
part of the coming week.

Yours
Wm. H. P.

1884-01-08
THE EDISON LAMP CO.,

EAST NEWARK, N. J.

Jan'y 8th 1884

Mr. V. Co. Edison
New York

Dear Sir.

Yours of the 5th inst
came to hand; In reply would
say that your suggestion in the
matter of placing two (2) Carbons
in one Gullet is very good.

Will make 1 test & put 10 a
test to ascertain how practicable
they may be will report results
early.

Yours Respectfully

Wm. Stolze
g

1884-01-09

THE EDISON LAMP CO.,

East Newark, N. J., Jan 9th 1884

Mr J. A. Edison

New York

Jan 10/84

Dear Sir

Experiments in carbonizing the following material as follows:

Brown Horn. N. G. A carbonaceous mass left - partly absorbed by the fumes. Found very grey and bright when in contact with bone.

Hog's Intestines N. G. Partly absorbed by the fumes - Partly a carbonaceous mass left.

Hog's Gristles N. G. all broken up in fumes & carbonaceous mass left.

Whale-Bone N. G. Nothing left in form. Apparently absorbed by fumes. Found very grey color when in contact with bone.

No doubt the Hog Gristles & Horn Bone treated with acids & then well dried so as to have the bone devoid of the fatty substance will give good results. will try a lot at once.

We have a number of lamps that have been examined without using current - set up at 16.32 & 48 C.T. + up to present time showing well.

Copy George G. J. Post 8-1884

East Newark, N. J., _____ 1884

I have put up at 48 lb. Lamp now and average
Life of about 1000 minutes with Lamp (4) Lamp
still burning and no air so this will show good
results. will send you the Burn at 48 lb. at all
the Lamp and broken.

The Lamp with the Coconut Charcoal in
Exhausting time will be sealed off at 4 P. M.
this day the time of 24 hr. expiring and will
put up to-morrow morning @ 64 lb. unless you
order otherwise.

I have had a few Carbon made of the Vermicelli
sticks that come in these Packages you examined
and as for economy I think it is the best yet
obtained. The only drawback I experienced was
on account of not having the phant in Carbon.

I am now experimenting on a phant made of Pure
Plumage & water & then with the phant work it
around the Platinum Wire & Carbon. The few Lamp
I put up for Life of the Vermicelli and. I am strongly
impressed with the idea that Carbon made of the above
sticks will not blacken the Glass.

Yours Respectfully
W. J. J. J.

1884-01-10
THE EDISON LAMP CO.,

EAST NEWARK, N. J.,

Jan 10 1884

Mr. T. A. Edison
New York

Dear Sir,

Lamp exhausted,
without applying current, whilst
exhausting, with side tube containing
Cocoanut Charcoal, set up at 64.6 p.
and doing well no arc so far up to
time of writing.

Lamp up on Test, Exhausted &
Heating Bull with alcohol flame
using no current - set up at 48.6 p.
have an array of 1150 minutes
and Lamp still burning & no arc.
The Experiment of applying Oxide
of Magnesia on fibre & then Coal -
Carbon came out very pure, the
Carbon was used and on side of Bull.
Will try another lot.

2/

THE EDISON LAMP CO.,

1884-01-10

EAST NEWARK, N. J., _____ 188

I have now under way your
Experiment of furnishing the
Fibres than that I have furnished
show a very fine surface will
Carbonize them on Monday next.
Also under way an experiment
of fusing Carbon to Enamel plate
by dispensing with the Shanks on
Carbon and applying a paste
made by dissolving the finest
Grade of Indian Ink & fusing
the Carbon stick to the Platinum
Wire without using any Gesso.
This is done very neatly & quick &
becomes sufficiently hard in a few
moments - to hold Carbon without
bending I have a few up on test
& send to show you. On Saturday
next the 12th will try an experiment
on connecting Carbon to Wire by using
Spongy Platinum

THE EDISON LAMP CO.,

1884-01-10

EAST NEWARK, N. J., _____ 188

The Experiment in taking a
Lamp that has given a long life
and patching it - will receive prompt
attention. will have it under way
(P-100000).

The Cambridge Paper sent out -
to be Carvingen was handed
to John Ott to deliver to you.
Made a few Lamps for you
In deal in with the Platinum
wire in Ring forms for at 10
pennet - the breaking of the Carben
in transporting.

Yours Respectfully
Wm. Holmes

THE EDISON LAMP CO.,

EAST NEWARK, N. J.

1884-01-11.

Jan 11 1884

Mr. J. W. Edison
New York

Dear Sir.

Enclosed find ^{some} of
your Experiment - using the
Coconut-Charcoal.

This set of Lamp will no doubt
give as very good Life at 64 lp.
I had set up at 48 lp. using
no Current, and as still burning
John Ott delivered 15 ms and the
new stock will continue to
to proceed + obtain results by

Tuesday next

Yours Respectfully
Wm. Holden

1884-01-14

THE EDISON LAMP CO.,

East Newark, N. J., Jan 14 1884

Experiment on Indicators

Connected a lamp with cent wire of
 Plat having the cent wire nearer one pole
 than the other, first noting def then reversing
 poles and noting def.

Time	Def	Temp
11.5	16	64

Lamp used

This was to determine the amount of conduction
 through the glass.

Jan 14. 84

Connected five lamps with carbon in
 cent the cent carbon ~~was~~ was taken from
 another lamp, that had been exhausted ~~and then~~
 They also had small clamps and blackened with
 lamp black.

The following will give the def
 of each lamp 1. 2. 3. 4. 5. 6. 7.

J. F. Ott.

1884-01-14

THE EDISON LAMP CO.,

East Newark, N. J., Jan 14 1884

Lamp No 1		
Time	Def	Temp
2.5	39	Mount
2.43	32 $\frac{1}{2}$	90
4.10	30	
5.5	30 $\frac{1}{2}$	

Jan 15. 84		
Time	Def	Temp
11.0	32	
12.0	31 $\frac{1}{2}$	96
2.55	32 $\frac{1}{2}$	
5.15	34 $\frac{1}{2}$	

Jan. 16. 84		
Time	Def	Temp
8.40	27 $\frac{1}{2}$	88
1.00	28	84
5.00	29 $\frac{1}{2}$	84

Jan 17. 84		
Time	Def	Temp
8.40	16	72
1.00	21 $\frac{1}{2}$ & C	90

Jan 18 84		
Time	Def	Temp
8.30	17	88
1.5	20	80

over

1.2	30	20	
2.20	12	22	
Time	Uniform	12	2d
1.20	2.30	51.7	46
2.40		18	45
		Jan 12. 2d	
2.40		58.5	24
1.00		52	24
2.40		54.5	22
		Jan 12. 2d	
2.12		30.5	
3.22		35.5	
15.0		31.5	20
11.0		35	20
		Jan 12. 2d	
2.2		30.5	
4.10		30	
5.42		35.5	20
5.2		30	20
		Jan 12. 2d	

1881 Jan 12 1881

THE EDISON LAMP CO.

1881 Jan 12 1881

1884-01-14

THE EDISON LAMP CO.,

East Newark, N. J., Jan 14 1884

Lamp No 2

Time	Def	Temp
2.5	51	Mount
2.44	50½	90
4.10	51	
5.5	49½	

Jan 15. 84

Time	Def	Temp
11.0	49	Temp
12.0	48	96
2.35	45	
5.15	45	

Jan 16.

Time	Def	Temp
8.40	39	88
1.00	37	84
5.00	37	84

Jan 17. 84

Time	Def	Temp
8.40	26	42
1.00	26	90

Jan 18.

Time	Def	Temp
8.30	22.5	88
1.05	22	80
3.30	15	46

THE EDISON LAMP CO.,

East Newark, N. J., Jan 14 1888

Lamp 3

Time	Def	Lamp
2.8	46½	about
2.45	42½	90
4.10	42½	
5.5	41½	

Jan 15

11.0	42.5	96
12.0	41	
2.50	40	
5.15	41	

Jan 16

8.40	40	88
1.00	39.5	89
5.00	42	84

Jan 17

8.40	34.5	72
1.00	34.5	90

Jan 18

8.00	34.5	88
1.5	35	80
3.30	32	86

1884-01-14

THE EDISON LAMP CO.,

East Newark, N. J., Jan 14 1884

Lamp 4

Time	Def	Temp
2.9	50	
2 45	48.5	about
4 10	42.5	90
5.5	43.5	

Jan 15

11.0	42	
12 0	41.5	96
2,55	38	
5,15	39	

Jan 16

8,40	33	88
1.00	26.5	84
5,00	24.5	84

Jan 17

8,40	21	42
1.00	22	90

Jan 18

8 30	19	88
1.5	19	80
3.30	16	46

1884-01-14

THE EDISON LAMP CO.,

East Newark, N. J., Jan 14 1884

Lamp 5

Time	Def	Temp
2.9	19	
2.45	14.5	about
4.10	15.5	90
5.5	15.5	

Jan 15

11.0	15	
12.0	14.5	96
2.55	12.5	
5.15	15	

Jan 16

8.40	9	88
1.00	6.5	84
5.00	9	84

Jan 17

8.40	3	82
1.00	5.5	90

Jan 18

8.30	4	88
1.5	15.5	80
3.30	15	86

1884-01-14

THE EDISON LAMP CO.,

East Newark, N. J., Jan 14 1884

Lamp 6

Time	Def	Temp
2.10	31.5	about
2.11	32	90
2.45	30.5	
4.13	28	
5.5	30	

Jan 15

11.0	29.5	
12.0	29.5	96
2.55	28	
5.15	30	

Jan 16

8.40	28	88
1.00	24.5	84
5.00	31.5	84

Jan 17

8.40	26.5	72
1.00	24	90

Jan 18

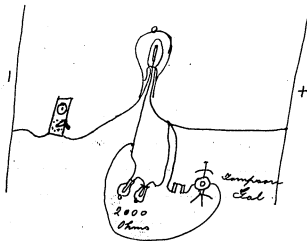
4.30	26	88
1.5	24	80
3.30	25	76

THE EDISON LAMP CO.,

East Newark, N. J., Jan 13 1884

Exhausted 6 lamps with line on
cent pole and found it would not carry
untill we obtained quite a good vacuum,
then the carrying went on quite fast, so
much so that I had to brake the current
and seal off in order to get a test,
this must droped the vacuum somewhat,
but we burnt them at about 6 or 8 candle
power,

We corrected them up after the following
manner



THE EDISON LAMP CO.,

East Newark, N. J., Jan 18 1884
Lamp 1

This lamp was very slightly coated
with lime it gave the following def

Def	Time	Lamp	78
15	19.12	"	
75	10.15	"	
62	10.20	"	
58	12.00	83	
50	1.10	80	

This lamp became quite thickly coated
29 3.40 46

THE EDISON LAMP CO.,

East Newark, N. J., Jan 18 1884

Lamp 2

Def	Time	Temp
15	9.38	48
140	9.41	
145	9.45	
115	9.46	
110	9.50	
100	9.52	
95	9.55	
90	10.00	
82	10.15	
52	12.00	83
50	1.10	80

This lamp was very thickly coated when started and after burning 3 hours it began to peel off in line with carbon

44 3.30 76

530 Cut out all the resistance

and the candle power went up to about 80 and it lasted 20 minutes then ceased

1884-01-18

THE EDISON LAMP CO.,

East Newark, N. J., Jan 18, 1884

Lamp 3

Lf	Time	Lamp
10	19.15	
50	19.16	48
60		
70		
80		
90		
100	10.17	
110		
120		
130	10.30	
140		
120	10.30	
43	12.00	85
31	1.10	82

This lamp same as No 2

31 3.30 46

1884-01-18

THE EDISON LAMP CO.,

East Newark, N. J., Jan 18 1884

Lamp 4

Def	Time	Temp
9	11.45	
15	12.15	
10.5	1 00	82
6	1 10	80

With this lamp we connected a lamp in series and 100 Ohms, it was also thickly coated.

After burning $3\frac{1}{2}$ hours the two forces balanced each other, first we would get a def to the right then to the left, My explanation would be that the current in one direction, directing the heat in that direction causing that pole offering a stronger polarization balancing the ~~force~~ force and finally causing the galvan to deflect in ^{opposite} direction. We then increased the current in the lamp until we got a deflection of 20 m.m. leaving it there it ran down to 5 m.m. in 3 mins - we then increased the current until we got 33 m.m. deflection & made the following readings -

2-35-	33	Temp
3-15-	24 $\frac{1}{2}$	
3 25	23	46
0 40	20	46

J. F. Ott

1884-01-18

THE EDISON LAMP CO.,

East Newark, N. J., Jan 18 1884
Lamp 1

Connected a lamp with aluminum
in center This I could not melt on pump
and showed no blue after the air was all worked
out.

Def	Time	Temp
122	3 30	46
120	3 40	46
125	4 35	44
131	5.30	80
120	8 40	70
120	1. 30	

THE EDISON LAMP CO.,

East Newark, N. J., _____ 1888
Lamp 2

Def	Time	Temp
39	4.33	44
44	5.30	80
41	8.40	70

1884-01

THE EDISON LAMP CO.,

East Newark, N. J., _____ 188
Lamp 3

Def	Sum	Temp
34	4 34	74
34	5 30	80
33	8 40	76
31	12.55	

1854-01

THE EDISON LAMP CO.,

East Newark, N. J., _____ 1888
Lamp 4

<i>Def</i>	<i>Time</i>	<i>Temp</i>
53	4:35	74
52	5:20	80
52	8:40	70
49	12:55	

1584-01

THE EDISON LAMP CO.,

East Newark, N. J., _____ 188
 Lam 45

Def	Time	Temp
31	4.86~	44
33	5.30	80
29	8.40	40
30.5	12.55~	

1884-01-18

THE EDISON LAMP CO.,

East Newark, N. J., Jan 18 1884

Lamp 1

Connected 8 lamp with ~~down~~ in
center

Def	Time	Temp
65	5.00	44

Lamp No 1 was ~~connected~~ ^{separated} with cent pole
connected to nactive pole until blue disappers

64	5.30	80
63	8.40	70
62	1.00	

1884-01-18

THE EDISON LAMP CO.,

East Newark, N. J., _____ 188
Lamp 2

Def	Time	Temp
51	5.00	77
48	5 30	80
44	8 40	70
77	1.20	

1894-01-18

THE EDISON LAMP CO.,

East Newark, N. J., _____ 188
Lamp 3

Def	Time	Temp
128	5.00	77
99	5.30	80
102	8.40	80
100	1.00	

Set up lamp with
Aluminum wire in center

front out window 9.00

time	Ref	Temp
9.35	14	14
9.45	14	14

Ch room 9.45

time	Ref	Temp
9.55	88	67
1.00	82	67

Out window 5.15

time	Ref	Temp
5.25	17	20
8.48	15	14
9.40	3	16
10.30	1	2.0

bad vaccine

Jan. 19. 54

1884-01-021
THE EDISON LAMP CO.,

EAST NEWARK, N. J., 1/21 - 1884

Mr. J. A. Edison
New York
Dear Sir.

Enclosed find
Curn of Fibre, Luminated.

I think the burning of the
Fibre will aid, the Life of Lamp.
I have a set of Lamps on test
not Luminated the size of
enclosed Burn + Cartridges
in the same Crucible. will compare
the two sets + report to you as
soon as last-Lamp breaks.
The Oiled filts will conduct
of Furnace to-morrow morning
This Indicator Lamps are receiving
attention. Yours &c
Westlake

Set up lamp with
Aluminum wire in cent

In room

11.40	95	40
12.00	95	40

Out window 12.05

12.50	81	42
2.00	72	41

Taken in at 2.30

4.45	93	65
9.00	90	66
9.25	90	69

Jan. 22, 84

Set up lamp with
Aluminum wire in cent
the lamp immersed in
water

11.10	20	82
12.10	40	120
1.30	40	11
2.35	75	11
4.00	75	11
5.15	100	11

This lamp we shall put
in boiling water and keep
it a boiling and see if it is
constant

Jan. 22, 84

Two lamps
Recharnated with Kerosene
in bulb

Aluminum wire	Plot wire	Temp	Time
65	65	4	
47	40	76	5.30

Jan. 22, 84

Set up lamp with
glass tube in cent filled with
mercury sealed on top having
flat connection top and bottom

Time	Temp	Temp
3.50	82	76
5.10	65	
4.00	33	

Jan. 22, 84

1884-01-22

THE EDISON LAMP CO.,

EAST NEWARK, N. J., 1/22/1884

Mr. J. A. Edison
New York

Dear Sir,

The Oiled Silk
Experiment - came out - N. Y.
Nothing left in form but
a Gray spot, the oil in silk
absorbed by form.

Yours Respectfully

Wm. H. Johnson

q

THE EDISON LAMP CO.,

1884-01-23

EAST NEWARK, N. J., 1/23/1884

Mr. J. A. Edison
New York

Dear Sir,

With Curnes enclosed
you will find the bundle of the
burnished fibres. Also the bundle
of the same size fibre run through
same mould as above.

Burnished fibres show good life
while the others show better economy
+ life not so good.

I have had the following material
carbonized & sent to your Laboratory
Sago, Hominy, Indian meal white, Indian
meal yellow, Buck-wheat-flour, Barley
Rye-flour, Peas meal, Wheat-flour, Cat-meal
Beans, Black Sea, Coffee, Starch, Sugar
Rice, Macaroni & Vermicelli. The above
material carbonized very fine & with proper manipulation
giving good results may be obtained.
Yours Respectfully,
Wm. L. Chapin

Set up lamp with aluminum
in cent and bulb in water and
kept boiling

Jan 23. 84

3.5' 3", 68 - 4.05' 65 5.10 65

Jan. 24. 84

Jan 25. 84

9	61	9.15	63
1.00	61	10.00	59
1.00	61	12.00	60
4.45	59½	2.00	58
		4.00	55

This is the most constant of
all we have tested

Set up 5 lamps with silver
in cent

Time	1	2	3	4	5	Lamp
4 40	50	19	96	71	64	90
5 45	48	18.5	89	73	59	88
9 A.M.	53	14.5	86	90	54	78
8.56	49	16	91	82	55	81
1.20	52	16	86	88	51	85
						8 Lamps to a Holt

Set up lamp with
nickel in cent

Time	Lamp and Def				Lamp
	1	2	3	Lamp	
4.45	89	116	101	90	
5.45	85	111	96	88	
9.00	80	-	-	78	
8.56	79	110	94	81	
1.20	80	108	82	85	

Set up lamp with Magnesia
in cent

Time	Def	Temp
4.45	54	90
5.45	45	88
9.00	40	88
8.56	83	81
1.20	88	85

Set up lamp with gold in
cent

Time	Def	Temp
4.45	14.5	90
5.45	15	88
9.00	9.5	88
8.56	14	81
9.00	14	88
1.20	14	85

Set up 6 lamp with silver in cent

Time	1	2	0	Def	5	6	Temp
4.40	50	19	96	4	71	64	90
5.45	48	18	89	X	73	59	88

Set up lamp
with tickle in cent

Time	Def lamp	2	3	Temp
4.45	7	89	116	90
5.45		85	111	88
			96	

Set up one lamp
with Magnesia in cent

Time	Def	Temp
4.45	54	90
5.45	45	88

Set up one lamp
with gold in cent

Time	Def	Temp
4.45	14½	90
5.45	15	88

1884-01-25

THE EDISON LAMP CO.,

East Newark, N. J. Jan'y 25th 1884

Mr. P. A. Edison
New York

Dear Sir

Enclosed find Bureau. Order 372
is the Burnished Fibre experiment. Lamp set-
up on test at 96 c.p. The burner of which shows
well. I have a number of Fibre Burnished suitable
for the 10 c.p. Lamp & will have them on test on
Tuesday first. If we obtain good life on the 10 c.p.
burnished, then the Burnishing process will be in order
for all types of Lamps.

Your attention to a Bureau of a 100 c.p. Lamp set-
up on test at One-Thousand (1000) Candles.
Clamp made of the Indian Ink. whilst the Lamp
was burning, particles of the Indian Ink Lamp.
deposited itself to the side of the Globe and continues
so until the Lamp burned down to a small center
& then Carbon returned itself at the time of two ash
burning. I am having phantoms made on the 100 c.p. Fibre
quite large size of Shank 40×20 the size will do the
required work on all high ^{low} c.p. Lamps

Yours Respectfully Wm. S. P. Oliver

1884-01-28

THE EDISON LAMP CO.,

East Newark, N. J., Jan'y 28-1884

Mr. J. A. Edison
New York

Dear Sir:

Your experiment, in taking a
carbon, that has burned one thousand (1,000)
minutes at 80 lb.; and then joining the carbon
together at the parts broken, is a success.
I have tried the experiment on several lamps
& the carbon broke at different places after
burning from three (3) hours at 80 lb.
I used the Edison Ink machine to join with.
In course of a few days I will have a full
set on test and will write you full particulars.

Yours Respectfully
W. H. Johnson

THE EDISON LAMP CO.,

EAST NEWARK, N. J., 2/7/ 1884

Mr. V. A. Edison

New York

Dear Sir,

The mass of Linseed oil
you sent to Factory to be carbonized
was placed in barrel & run through
the Furnace in the usual way.
After passing through the furnace
there was nothing left of the oil in
the vessel. It had evidently vaporized
in the furnace.

The Manufacturing Dept. are
running smoothly. Exhausting clear
on to 2000 W. Lamps per day.
The test on 100 C.P. Lamps showed
& no doubt will give satisfactory life

Respectfully Yours

W. A. Edison

THE EDISON LAMP CO.,

East Newark, N. J., April 11, 1884

Test of six Maxim Lamps.

The carbons were *M* shaped and measured 4" $3\frac{1}{2}$ " x 12.

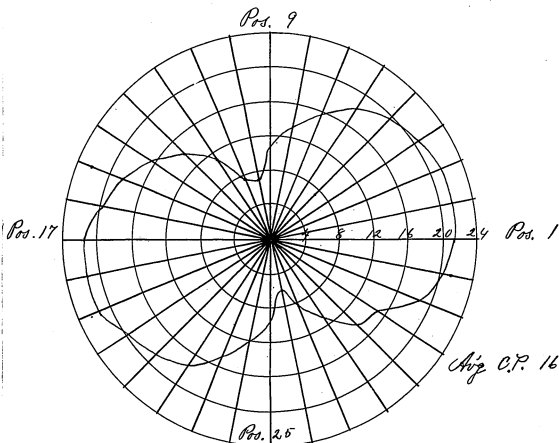
Each lamp was placed first with the broad side of the carbon toward the photometer and the candle-power read in that position: then the lamp was turned successively through angles of $11\frac{1}{4}^{\circ}$ and the candle-power read in each position until the whole circle was completed, giving for each lamp 32 readings.

The average was taken to be the candle-power of the lamp and for all subsequent measurements the lamp was placed in such position as to give its average candle-power.

The diagram below shows the average of the readings taken on the six lamps

THE EDISON LAMP CO.,

²
East Newark, N. J., April 11, 1884



THE EDISON LAMP CO.,

3
East Newark, N. J., April 11, 1884

The E.M.F. & current required by each lamp at different candle-powers was then measured.

The following are the results.

C.P.	Volts	Lamps No ^s 1, & 2			Lamps per ft.	Candles per ft.
		Amp.	Ohms	Fl. lbs		
16	69	.912	75.64	2784	11.85	190
24	74.6	.992	75.05	3280	10.06	241
32	79.1	1.062	74.48	3716	8.88	284
40	82.7	1.120	73.84	4092	8.06	322
48	85.7	1.172	73.12	4443	7.43	357
56	88.2	1.219	72.35	4757	6.93	388
64	90.4	1.262	71.63	5047	6.54	419
16	68.5	.905	75.69	2742	12.03	192
24	73.3	.977	75.02	3168	10.42	250
32	77.5	1.042	74.37	3572	9.24	296
40	80.8	1.096	73.68	3915	8.43	337
48	83.8	1.147	73.06	4252	7.76	372
56	86.5	1.196	72.32	4577	7.21	404
64	88.8	1.243	71.44	4883	6.76	433

THE EDISON LAMP CO.,

4

East Newark, N. J., April 11 1884

C.P. Volts Amperes Ohms Ft. lbs Lamps per HP. Candles per HP.

Lamps Nos 3, 4, & 5

16	67.5	.902	74.83	2693	12.25	196
24	72.3	.971	74.46	3106	10.62	255
32	76.4	1.030	74.17	3481	9.48	303
40	79.6	1.082	73.57	3810	8.66	346
48	82.7	1.130	73.18	4134	7.98	383
56	85.5	1.175	72.76	4444	7.43	416
64	88.	1.217	72.31	4738	6.96	445
16	69.3	.910	76.15	2790	11.83	189
24	74.2	.987	75.18	3240	10.19	245
32	78.3	1.051	74.50	3641	9.06	290
40	81.9	1.107	73.98	4011	8.22	329
48	85.1	1.164	73.11	4382	7.53	361
56	88.1	1.216	72.44	4739	6.96	390
64	91.1	1.269	71.79	5114	6.45	413
16	67.	.901	74.36	2671	12.35	198
24	73.	.992	73.59	3204	10.30	247
32	76.9	1.056	72.82	3593	9.18	294
40	80.2	1.112	72.12	3945	8.36	334
48	83.2	1.162	71.60	4277	7.71	370
56	85.9	1.212	70.87	4606	7.16	401
64	88.5	1.260	70.24	4933	6.69	428

THE EDISON LAMP CO.,

5
East Newark, N. J., April 11, 1884

Lamp No. 6						
C.P.	Volts	Amperes	Ohms	Watts	Lamps per HP.	Candles per HP.
16	68.1	.875	77.83	2636	12.52	200
24	72.5	.941	77.04	3018	10.93	262
32	76.3	1.050	76.30	3376	9.77	313
40	79.6	1.053	75.59	3708	8.89	356
48	82.5	1.101	74.93	4018	8.21	394
56	85.1	1.145	74.32	4311	7.65	428
64	87.5	1.186	73.77	4591	7.19	460

The following is the average of
the six preceding

C.P.	Volts	Amperes	Ohms	Watts	Lamps per HP.	Candles per HP.
16	68.2	.901	75.72	2734	12.07	193
24	73.3	.977	75.03	3169	10.42	250
32	77.4	1.040	74.44	3563	9.26	296
40	80.8	1.095	73.79	3913	8.43	337
48	83.8	1.146	73.17	4251	7.76	372
56	86.5	1.194	72.51	4572	7.21	404
64	89.	1.240	71.86	4882	6.76	433

THE EDISON LAMP CO.,

6
East Newark, N. J., April 11, 1884

The lamps were then set up for life test at such candle-power as gave an economy of 385 candles per H.P. (The economy of a regular $6\frac{1}{2}$ " $8 \times 13\frac{1}{2}$ " Edison lamp at 64 candles) and the candle-power taken every hour with the following results.

No. of Lamp	C.P. when set up	C.P. at 1 hour	"	"	"	"	"	"	Life in minutes
1	55,	52,	54,	50,	47,	44,			270,
2	51,	52,	53,	55,	55,	55,	51,	50,	450,
3	48,	48,							105,
4	55,								50,
5	52,	48,							100,
6	46,	41,	38,	38,					200,
Avg.	51,	48,	48,	48,	51,	50,	51,	50,	196,

THE EDISON LAMP CO.,

East Newark, N. J., April 22 1884

Thos. A. Edison Esq.

Dear Sir.

In reply to yours of 15th inst. I submit the following table prepared by Howell
500 lamps burned at constant pressure and giving an average life of 600 hours would probably break as follows - the lamps being renewed as broken -

Total hours run	Total lamps broken	
25	36	
50	69	
75	100	After running 250
100	129	hours the lamps
125	156	will break uniformly
150	181	at the rate of 20
175	205	lamps every 25 hours
200	228	
225	250	
250	271	

Yours Truly
Francis R. Upton

THE EDISON LAMP CO.,

EAST NEWARK, N. J.

6/3/1884

Mr. V. A. Edison

New York

Dear Sir. Enclosed find
economy of three (3) lamps
with 1 gr. of cyanide of lime
in side tube + worked according
to your instructions. They
show less economy after treatment
will try another set with 2 grs
+ experiment in different way.
The carbons soaked in kerosene
oil + placed in finely divided
black lime + then placed in
a warm place for six (6) days
will be recarbonized next Monday
will report results as soon as
finished

Yours truly
Wm. H. Holler

THE EDISON LAMP CO.,

EAST NEWARK, N.J.,

7/17-1884

Mr. J. A. Edison
New York

Dear Sir: The Bannel coal
experiment to obtain a deposit
on Carbon has been carried
through with success.

The deposit seems to be very
fine. A set of Lamps will
be on test to-morrow. will
render you a report of Life
& Economy as soon as the Lamp
are broken in test.

Yours Respectfully
Wm. Holzer

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK, July 19th, 1884

Edison Lamp Co.

East Newark, N. J.

Dear Sirs:-

We return you herewith memorandum of Mr. Marshall's,
dated the 18th. inst. . You will notice Mr. Edison's comments
thereon. Please return Mr. Marshall's letter with your reply.

Yours truly,

Saml Insull

THE EDISON LAMP CO.,

East Newark, N. J., July 15 1884

Why is the life so different

with the same invoice of Lamps & candles

Column 1 shows ^{set by at same candle power} life of 10 Swan lamps at 160 candles per HP, calculated from a curve of 10 lamps set up 20 candles and giving 226 candles per HP.

Column 2 shows life of 10 Swan lamps at 160 candles per HP calculated from a curve of 10 lamps set up at 60 candles and giving 446 candles per HP.

1	2
Hours	Hours
59	2515
224	2709
249	3547
536	3870
1025*	3902
* These lamps are	4224
still burning.	4482
	7256
	11061
	18447
	Arg. 6201

This seems to show that
 tested lamps last longer
 at high C.P. than normal
 which is just
 what we want

J. T. Marshall

THE EDISON LAMP CO.,

East Newark, N. J., July 21 1884

T. A. Edison Esq.
65 Fifth Ave.
New York.

Dear Sirs,-

The calculations of life on Swan lamps, sent you in our memorandum of July 16, were made from the law derived from experiments on our own lamps: viz. The life varies inversely as the 3.65 power of the candle-power.

The fact that the life calculated from the 20 C.P. lamps, is so different from that calculated from the 60 C.P. lamps, would seem to show, as you say, that the Swan lamps do not follow the same law, as to candle-power and life, as ours do.

Yours truly,
Edison Lamp Co.
Marshall

THE EDISON LAMP CO.,

EAST NEWARK, N. J.

7/29. 1884

Mr. J. W. Edison
New York

Dear Sir. -

Enclosed find
Two (2) bunches of $6\frac{1}{4}$ $3 \times 13\frac{1}{2}$
Fibres. Resistance brought
down by immersing carbons.
You will find volts very clean
& Economy high on 76.3 mds
Your 32 lb. lamp 50 volts
will be ready for delivery
on Friday next.

Yours
Wm. Hohen

THE EDISON LAMP CO.,

EAST NEWARK, N. J., 7/31 1884

Mr. J. A. Edison
New York

Dear Sir: Enclosed find
several burns.

I would say that order
#68 is very fine for life
and Economy very good
I propose to send you burns
in a few days that will
Excel any heretofore.

Yours

Wm. Huber

THE EDISON LAMP CO.,

East Newark, N. J., Aug 4th 1884

J. A. Edison Esq
65 5th Ave

I spoke to you some time ago of the advisability of making feeders of a number of smaller wires extending through the length of the feeder instead of using one large wire as at present. The object being to regulate by using one or more of the wires as the demand upon the feeder requires - since then I have had some samples made by twisting a number of ordinary insulated wires together and with a covering thick enough to protect them and feeding this cable into a lead pipe machine as a core - thus forming the lead pipe directly around the cable ~~and~~ the pressure of the lead upon the cable can be easily regulated thus making a very good job. Feeders can be made in this way any desired length in one piece - saving the expense of joints and trouble arising in junction boxes - and reducing the

THE EDISON LAMP CO.,

East Newark, N. J., _____ 188

expense of laying them considerably. If they are laid loosely - not stretched straight no expansion joints will be necessary. If they are tugged in sand and a loose board placed over them the board will warn any one digging them up before they are injured - Feeders made in this way will cost less than as now made will save the expense of feeder resistance and the space they occupy will be free from leaks as they have no joints - They can be made of the right length and shipped all ready to lay - I would be pleased to have your views on the subject

Yours respectfully
John McNeill

THE EDISON LAMP CO.,

EAST NEWARK, N. J., 9/15-1884

J. A. Edison Esq.
New York—

Dear Sir—

I have this day
expressed the White Mustard
Seed, Carbonized, to Bergman
& Co. I hope it will prove
satisfactory. I have passed
a current through it and find
it a very good conductor.
The stock is very fine after
carbonization and no doubt it
will prove satisfactory.
Yours
Wm. Holmes

The Edison Lamp Co.

A East Newark, N. J., 10/29-1884

J. A. Edison Esq.
New York

Dear Sir. I have this day
shipped to your Laboratory
65 lbs of the Anthracite Coal
of special quality.

Yours &c
Wm. Holzer

P.S.

I have started in the morning
in the Wrasna Film will cut-
1000 Films to do to test the quality
in comparison with Lambert

The Edison Lamp Co.

East Newark, N. J., 11/19th 1884

J. A. Edison Esq
New York.

Dear Sir

Enclosed find the
Olin oil Burner which
shows good results for life
at high Candle Power.

The soft-carbon sticks have
been run through the high
heat - & show very fine
will deliver them to Balchelon
to-morrow for test.

Yours Respectfully
Wm. Holzer

The Edison Lamp Co.

East Newark, N. J.

12/2/1884

Mr. J. A. Edison
New York

Dear Sir. Yours of the 1st inst
to hand. In reply I would
say that if our experiments
you mention in your letter
will receive prompt attention

Yours Respectfully

Wm. Holzer

1884. Electric Light - Edison Machine Works (D-84-031)

This folder contains correspondence, agreements, articles of incorporation, and other documents relating to the business of the Edison Machine Works in New York City, which manufactured dynamos and large electric motors for the Edison electric light system. Some of the documents deal with the formation of the Edison Shafting Manufacturing Company. Related material can be found in D-84-032 (Electric Light - Edison Shafting Manufacturing Company).

Approximately 90 percent of the documents have been filmed. The following categories of documents have not been filmed: routine correspondence relating to accounts, orders, and shipping; lists of materials; duplicate copies of selected documents.

Established 1855.

1714 - 01 - 22

The George Place Machinery Company,
Railway and Machine Shop Equipment,
121 Chambers & 103 Reade Streets

P.O. Box 1119.

New York, Jan 22 1884

Mr. Tate I did not hear
the Mica Journal as
promised last evening, please
acknowledge receipt so that
I may know it has gone into
proper hands or else please let
me know whether the Edison
will be at the office this P.M.
-oblige

Yours truly
H. M. Iron

All Communications to be
addressed to the Office.

Form 1 A.

Works,
104 Fourth Street.

EDISON MACHINE WORKS.

OFFICE, 66 FIFTH AVENUE.

New York, *February 15th 1884*

Thomas A. Edison Esq.

President of The Edison Machine Works.

Dear Sir:

*I hereby tender my resignation
as a Director of The Edison Machine
Works, To take effect upon the
delivery of this letter by you
to the Board of Directors*

Very Respectfully Yours

J. R. Campbell

EDISON LAMP COMPANY.

THOMAS A. EDISON, PRESIDENT.
FRANCIS B. UPTON, TREASURER.

EAST NEWARK, N. J., Feb. 21 1888

Thos. A. Edison Esq.
Dear Sir;

Regarding enclosed.

The Machine Works can answer the first question surely. It strikes me, that someone should follow this matter up sharply as it means the sale of these machines at full price.

I have no data at my disposal to answer the second question. Will you send a ~~man~~ person to the testing room in Esplanade Street with these questions to be answered?

(Yours Truly)
Francis B. Upton.

Minutes of Meeting
of the
Board of Trustees of the Edison
Machine Works -

Thomas A. Edison, John Krusi
and John R. Campbell
being the Trustees named
in the Certificate of Incorpor-
ation of the Edison Machine
Works, filed in the Office
of the Secretary of State
on the 13th day of February 1884,
in pursuance of notice met
at No 65 Fifth Avenue in
the City of New York ^{on the 14th day of February 1884} for the
purpose of perfecting the
organization of the said
Company.

Mr Campbell moved that
Mr Edison act as Chairman
and Mr Samuel Insull as
Secretary of the meeting
which motion was seconded
by Mr Krusi and
carried.
Mr Edison having taken
the Chair said that

meeting to order and ordered
a certified copy of the
Certificate of incorporation
to be made.

Mr. Knute moved that the
Certificate be read by the
Secretary, & spread upon
the minutes. The motion
was seconded by Mr.
Campbell and carried.

The Secretary then
read the following
Certificate of incorporation
of the Company.

[Faint, mostly illegible text, likely the body of the Certificate of Incorporation, with some handwritten notes and signatures visible.]

1
sending them
the Wives. They moved that
the following By-Laws
be adopted as the By-
Laws of the Company. The
motion was ~~not~~ seconded
by Campbell & carried.

take
Law
By

the Wives they moved that
the Board of Directors move
to the election of a President
or Secretary and Treasurer as
provided in article V of the
By-Laws. Which motion until
the second Tuesday of February
1880 or until their successors are
elected. The motion being
seconded by Mr. Campbell
was put by the President
and carried.
The Chairman having
declined the nomination and
election to officers in order

Mr Campbell moved that two
tellers be appointed by the Chair
and that the Trustees moved
to elect the Officers named by
Ballot, the motion being se-
conded by Mr Kressi was
put by the Chair and carried.

The Chairmen then appointed
as tellers Messrs Charles H. Campbell
and Mr. Frank McAllister.
A Ballot being taken, the
tellers reported that three votes
were cast for each office that
the following gentlemen were
unanimously elected Mr Thomas
A. Edison President, Mr
Samuel Russell Secretary
Treasurer

On motion of Mr Kressi
seconded by Mr Campbell it
was decided that for the
present the Office of Manager
should remain vacant.

Mr Kressi then moved that the
Corporation purchase from the
Edison Machine Works Thomas
A. Edison and Charles Kestelboim
doing business under the name

of the Edison Machine works the
stock, machinery, fixtures, tools,
appliances, apparatus, accounts
debts, wages and all property
and things now belonging
to the said Charles Batchelor
and Thomas A. Edison being
transferred under the name of the
Edison Machine works and
that the Corporation issue in
payment therefor the full
amount of ~~the~~ ^{its} Capital Stock.

The motion being seconded by
Mr Campbell was put by the
Chair and unanimously carried.

Mr Bruce then moved that
the Secretary be paid a salary
of Six hundred dollars a
year. The motion was seconded
by Mr Campbell, and
carried.

Mr Bruce then moved that
Mr John C. Tomlinson attorney
at law be appointed Counsel
and legal adviser of the
Company. The motion was
seconded by Mr Campbell and
being put by the Chair was
unanimously carried.

Resolved that the
Secretary be paid a salary
of Six hundred dollars a
year.

Mr Campbell then swims, ^{the} ~~the~~ Company
adopted as its seal, a seal bearing
the inscription "Plover Marine
Co. Ld." incorporated 1874. sent
by Mrs. Brown and returned,

Eisen chloride

Week 2

Shirley

Board of Trustees

7-381

200

State of New York }
County of West York } ss.

We Thomas A. Edison, John Bruce
and John R. Campbell, Trustees
of the Edison Machine Works
and a majority thereof, and
the said Thomas A. Edison
being president of said
Company do hereby certify
and declare

That the amount of
Capital Stock of the Edison
Machine Works was fixed
at Two Hundred Thousand
Dollars, and that the whole
thereof has been issued
in payment for property
necessary for the operation
of the said Company.
Witness our hands this
3rd day of March 1884.

Thomas A. Edison
President
John Bruce
John R. Campbell
Trustees

State of New York }
County of New York ss.

Thomas A. Edison, John
Bruce and John R. Campbell
being each duly sworn, jointly
and severally, depose and
say that the said Thomas
A. Edison is President of
the Edison Machine Works
and the said Thomas A.
Edison, John Bruce and
John R. Campbell are
Directors of said Corporation
and a majority thereof,
and that the foregoing
Certificate of Payment
of Capital Stock made
and subscribed by them
is true

Thomas A. Edison
President
Thomas A. Edison
John Bruce
John R. Campbell
Directors

Sworn to before me
this 3rd day of Feb. 1884

John C. Sullivan
Notary Public

Attest

[TO GUSTAV SOLDAN]

Form No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been accepted by the sender of the following message. Errors can be corrected online only by repeating a message back to the sending station for correction, and the company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages, beyond the amount of tolls paid thereon, nor in any case where the claim is not presented in writing within sixty days after sending the message.

This is an UNREPEATED MESSAGE, and is delivered by request of the sender, under the conditions named above.

THOS. T. BICKERT, General Manager.

NORVIN GREEN, President.

NUMBER	SENT BY	RECD BY	CHECK
32	mygm	12.20	8 10 PM
Received at: 615 9th St			
Dated: Jan 12 1881			
To: Gustave Soldan			
Edison mach rks			
Goerick St			
Arrive: Friday very necessary			
to hold second machine			
for test			
F J Sprague			

New York Apr. 10 1884

Mr. T. A. Edison

Dear sir!

I am misrepresented allow me to make a short statement, with particulars of what I have replied to if you wish.

I was instructed to report all faults of detail found.

I did, but without getting much improvement made. They foremen had not much to do, yet they did not watch the men doing the work. When told of it they said we will look out for it next time. but next time it was wrong again or some thing else. They put the blame on the workmen. When the workmen said that they were told to do it so. The foremen have considerable to answer for.

Recharged or changed the polarity themselves, by connecting the lower brushes to the positive pole on both Dynamos, it should have been the lower on one the upper on the other, the mid Mr. Sprague, did so.

I always tried to do the best for the reputation of the Factory and my Employer. I prevented many Armatures from being shipped from the Shop, before being repaired, said Armature

having been approved at the ^{but did not get good condition} Testing room.

Your humble servant Respectfully

T. Johnson

235 E. 11th City

The did not let me have
Enough help that I could
properly overhaul or repair
it, in the proper manner it
would not cost any more to
you. I know now that they
never took the blame upon them
selves. As they did not do their
duty to you faithfully, I lost
all or nearly all respect for
them: When I did not want
to put the work together without
showing them that they did not
improve on their Bad way
rather got worse, they likely
concluded to get rid of me.
I offered to do the work as cheap
as any, yet I had to. Which
was a relief, if you ^{only} would
please give me work on your
Local Stations or Plants.

The Electricians caused great
trouble the first on 5. Lamp 108
to 115 watts, and sometimes started
the Motor and Lath in the Testing
room on a 25 Light Dynamo,
and others in proportion, they
caused sparking overheating of
Armature and Magnet. Discon-
tinue from the shop he not know-
ing not believing when told the
Cause. He thought Mr. Crosses
was wrong, or connections bad
or something else. Neither did the
Electricians Measure, A. & Fields
in time, when requested to 3 to 5
times they got mad, and likely
made up all possible stories
on me. I know the blame
was with not changing the fields right
at last. They advised that the

To Thos. A. Edison

15 5th Ave
New York

FROM

The Straight Line Engine Co.

SYRACUSE, N. Y.

16 April 1884

Mr. Forest is now in New York and will see you
in regard to engines which we are building.

Very truly

Wendell C. Smith
Straight Line Eng. Co.

9

J. S. Sweet, Treas.
H. F. Stephens, Sec.
A. A. Sweet, Treas.

The Straight Line Engine Co.,

Cor. Geddes and Fayette Streets.

Syracuse, N. Y. 2nd Apr. 1884

Mrs. A. Edison, M. E.

Dear Sir,

We have had your 10 H.P. engine running in our shop for about a week and intended to have shipped it before this but as the boat came in New York and expected to see you we have delayed asking for shipping directions. The boat reports its inability to see you - as we were in hope that you could be prevailed upon to come up and spend a day here with one or more of your boat men and as not only see the engine run but see our methods and profit by our experience as far as possible and particularly to learn what we have found out that "iron work". Will you come up and spend a day with us or send some of your boat men - or shall we ship the engine at once and if as to what address - shall we also ship gaskets and such jigs as we were compelled to make or tell them for further orders.

Very truly
The Straight Line Eng. Co.

J. B. Sweet, Pres.
H. F. Stephens, Sec.
A. A. Sweet, Treas.

The Straight Line Engine Co.,

Cor. Geddes and Fayette Streets.

Syracuse, N. Y. April 26th 1884

Dear Sir
New York

We are a little slack in our foundry now and would like to make some castings of the Engine for you. as our men are accustomed to the work and working at low wages it is likely we can make them as cheaply as you can there.

We are also slack in our shop and could work in one or two Engines during this slack time if you would like us to do so. though not at as low figures as you will be able to build them after you are fitted up for the business. as much of the work we have to do in the ordinary way.

Submitting these suggestions for your consideration and trusting you will send your superintendent up soon we are

Respy Yours
The Straight Line Engine Co
S

h

My dear Israel

Long Mark other matter
called you away this morning &
I wanted to talk Mark other matter
over with you.

On your return to the office, will you kindly name some hour to-day if possible that I could see ~~you~~ either before or after meeting.

9
The Only
H. W. Brown

Edison Machine Works.

J. B. Sweet, Pres.
H. F. Stephens, Sec.
A. A. Sweet, Treas.

The Straight Line Engine Co.,

Cor. Geddes and Fayette Streets.

Syracuse, N. Y. May 8th 1884

Thomas A. Edison Esq
65, 5th Ave New York

Dear Sir

The time is soon coming when we shall be compelled to move your Engine off our testing floor, and unless your "Supt" can come soon will it not be best to ship the Engine to you - particularly if you have any chance to set it running, doing work that will develop its capacity.

As it is it is doing nothing and neither you nor we are learning anything about it.

Respy Yours

The Straight Line Engine Co.

Shipt to Gorack
our man too busy
{

Established 1855.

The George Place Machinery Company,

Railroad and Machine Shop Equipment,

124 Chambers & 103 Rensselaer Streets,

New York, May 10th 1888

P.O. Box 1119

My dear Frank

I sent by boy a letter to Edie asking him to make a test of those Allen boxes today & also to let one know what time he will start for the work as I want to be there from the beginning of the experiment.

My anxiety about this experiment explains my desire to be there from the start & I will consider it a favor if you will see that Mr Edie gets the letter as soon as he comes in & sends a reply down by the boy who will wait for answer.

Yours truly
J. M. McEwen

Established 1855.

The George Place Machinery Company,
 Railway and Machine Shop Equipment,
 121 Chambers & 103 Reade Streets,

P.O. Box 1110

New York, May 10th 1884

Mr A Edison

Dear Sir
 I was at the shop
 this morning - find that the
 three boxes are all finished &
 set in place & the dynamo
 ready to run.

Can you not possibly arrange
 to have the test made today if
 you please reply by bearer what
 time you will start for the work
 as I want to be there from the
 beginning of the experiment.

Please do not fail to
 answer by bearer very much
 oblige

Yours truly
 H M Linn

Established 1855.

The George Place Machinery Company,
Railway and Machine Shop Equipment,
121 Chambers & 103 Reade Streets,

P.O. Box 1119.

New York, May 14 1887

My dear Mr. Hall

I send by box
two pulleys, will you please
advise me by return of Mr
Edison whether or not or when
he will be at the office & oblige.

Yours truly
H. M. Linn.

J. S. Sweet, Recd.
H. F. Stephens, Sec.
A. C. Sweet, Treas.

The Straight Line Engine Co.,

Cor. Geddes and Fayette Streets.

Syracuse, N. Y. May 15 1884

Thomas A Edison Esq

4

New York

Dear Sir

Herewith find enclosed Invoice for 10x12 Engine
Engine shipped this day

We can furnish an itemized bill if required
We hold the Patterns and Special Tools subject to your order
and as we have earned the Engine and Patterns for
some time it would be an accommodation
to us if you could favor us with your check on
account by June 1st

When you are ready to set up the Engine
please advise us and we will send a man
to your City to give explanations re in setting
up

Respy Yours

The Straight Line Engine Co
S

Geo. Wm. Mackintosh Co

Mr Edison May 18

Those standards
are here & are filled
with ground mica
don't you think it would
be a good idea to test
the ~~with ground~~ as they
are before an attempt
to fill them with cut
mica.

I will send them
up to Eschscholtz
to morning will you
please give Collier
what order you think
necessary regarding

them & also let me
know when you will
make the test as I
should like to be
on hand at that time.

I will also send
up enough mica to
~~fill cut~~ & fill the
boxes after you have
tested the ground
mica.

Yours truly
H. M. Collier

Lover

Bette send up the
Quia to wake up out
Quia

Established 1855.

The George Place Machinery Company,
Railway and Machine Shop Equipment,
121 Chambers St. 103 Reade Streets.

P.O. Box 1119.

New York, May 15th 1884

C. Colden Esq
My City

Dear Sir

The following is an extract
from a letter written by you to Mr.
Insell in reference to the proposition
of J. S. M. Peckham in reference to
Mills.

"I have looked over the size
weight and have decided that we
cannot use to advantage the lots
which I have endorsed in brackets,
deducting these amounts from the
total weight it leaves 2693 lbs
useful mill. This amount bought
of Mr. Linn at \$1.25 per lb mill cost
4712" while the total amount (\$5844 lb.)
bought of Peckham Co. @ 95^{cts} per lb
mill cost \$576⁰⁰."

Established 1855.

The George Place Machinery Company,
Railway and Machine Shop Equipment,
121 Chambers & 103 Reade Streets,

P.O. Box 1119.

New York.

188

Now I shall like to call your
attention to the fact that you
did not pay me 1²⁵ for the but you
did pay me 1²⁵ for the No 2693
As referred to at this firm would
cost \$3367²⁵ not \$4712²⁵.

I explained this to Mr. Small
last night but I wish you will
be kind enough to write a
letter to him which will show
the miscalculation made in your
letter of May 12th so that it may
go on file instead of your first
letter by doing this you will
much oblige

Yours truly

H. M. Liver.

Samuel Small Esq.

do I now under the impression
the money from Mr. Liver cost \$125
the amount was figured at that date
the price being only \$25 I have
to recollect Mr. George figures
to be \$125

THOMAS A. EDISON, President,
SAMUEL INSULL, Secretary & Treas.

Form 1 W-1000-3-18-14.

EDISON MACHINE WORKS,
OFFICE, 65 FIFTH AVENUE, (Room 17.)

WORKS,
104 GOERCK ST.

New York, May 19th, 1884.

Thomas A. Edison, Esq.

65 Fifth Avenue, City.

Dear Sir:-

A special meeting of the Board of Trustees of the
Edison Machine Works will be held at the office of the Company,
No. 65 Fifth Avenue, on Wednesday the 21st. day of May, at 10.30
A.M., by order of the President.

Yours Truly,



Secretary.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

Form L, 1000-4-21-84.

New York, May 21 1884

Thomas A. Edison Esq.
Pres. Edison Machine Works

65 Ave. 5.

City
Dear Sir

I hereby tender
my resignation as Director of the
above Company which I trust will be
acted upon at the next meeting
of your Board of Directors

Very Respy
J. R. Campbell

EDISON MACHINE WORKS,
104 GOERCK STREET,OFFICE,
65 FIFTH AVENUE.GUSTAV SOLDAN,
Superintendent.New York, *May 24* 188*4*

Mr. Edison.



I in regard to the letter of the
Fall River Illum. Co in securing the
wire to commutator; I would say that
of 50 armatures that have been made
34 of them have been made free and open on
the top of the soldered place. The 38 and
all following were made with a connection piece
that after soldering could be hammered over
to a π to prevent the wire coming out even
if they did come unsoldered - Probably
these machines were sent before the im-
provement was put in force. We could
however change them for them if necessary.

Very truly yours

Chas. S. SeldenTheir letter enclosed

THOMAS A. EDISON, PRESIDENT,
SAMUEL INJILL, SECRETARY & TREAS.
GUSTAV GOLDBAN, SUPERINTENDENT.

Form 1 Y.
1000-4-25-94.

OFFICE,
65 FIFTH AVENUE,

EDISON MACHINE WORKS.

104 GOERCK STREET,

New York, *May 28 1884*

*J. A. Edison Construction Dept
65 Fifth Ave. City*

Dear Sirs:

*Yours of the 27th Inst
regarding bad "Rabbit Boxer" at Hazelton.
came to hand this morning.*

*We have shipped new boxes to replace
them, so please order the old ones back.*

*If any fault of ours, we will
rectify with pleasure.*

*Yours Very Respectfully,
Chas. Batchelor
Genl Mgr.*

THOMAS A. EDISON, PRESIDENT,
SAMUEL INSULL, SECRETARY & TREAS.
GUSTAV SOLDAN, SUPERINTENDENT.

Form 1 Y.
1000-4-20-76.

OFFICE,
65 FIFTH AVENUE,

PLEASE SEND REPLY
TO 104 GOERCK ST.

EDISON MACHINE WORKS.
104 GOERCK STREET,

New York, June 2nd 1884

T. A. E. Construction Dept.
65 Fifth Ave. City.
N.Y.C.

Your favor of the 31st
Ult. in reference to your Chief Electrical
Engineer's suggestion in regard to brush
holders, is at hand & contents noted.
The commutators of the 50 Light
Dynamo mentioned in his letter were
too small to use two brushholders &
the H brush was used.

I will make special ones & send
to them. I know just what they want.

Yours very truly
Chas. Batchelor
Gen. Manger

THOMAS A. EDISON, PRESIDENT,
SAMUEL INSULL, SECRETARY & TREAS.
GUSTAV SOLDAN, SUPERINTENDENT.

Form 1 Y.
1000-4-25-94.

OFFICE,
65 FIFTH AVENUE,

EDISON MACHINE WORKS.
104 GOERCK STREET,

New York, *June 3rd 1884*

*T. A. E. Construction Dept.
65 Fifth Ave.*

Gentlemen!

*Yours of yesterday
at hand, enclosing Mr Andrews letter in
regard to paper pulley for Circleville.*

*We have shipped a paper pulley to
the above place, so please telegraph Mr
Andrews that it is coming.*

*We shall also notify him by mail
& ask him to send the other back.*

*Yours Respectfully,
Chas Batchelor*

Gen Mgr.

P.S. We ship by Adams Express.

June 3,
1884

This Agreement made ~~and~~ ^{third}
day of ~~June~~ ^{July} 1884 between the
Edison Machine Works, a
corporation organized and existing
under the laws of the State
of New York, party of the first
part, and Harry M. Linn of the
City of New York, party of the
second part

Witnesseth

Whereas the party of the
first part is about to estab-
lish a Department for, and
to undertake the manufacture
of shafting, couplings, hangers,
pulleys and the like, and
with that view has set apart
a certain portion of their works
at No 104 Horack Street in the
City of New York, and has
purchased the following
special tools and machinery
necessary to be used in
such manufacture, to wit,
one cutting off & centering
machine, one churning
lathe and tools, one milling
machine and tools, one pulley
lathe (fifty inch), one pulley

lathes (Thirty two each) and has
hired from the party of the
Second part one shafting
lathe, one power straightener
and one hand straightener
to be used for the purposes
aforesaid; and

Whereas the party of the
first part is desirous of
securing the services of the
party of the second part in
and about the premises
Now it is Agreed as follows
First, the party of the first
part hereby employs the
party of the second part as
its agent to see the machinery
and appliances so to be man-
ufactured as aforesaid, and
in consideration of the services
to be performed by him the
latter and agrees to pay him
on all sales a commission
equal to forty per cent
of the profits realized
thereon by the said Company
such profits being understood
to be the price received by the

said work over and above the cost of manufacture, in which latter is to be included an annual charge of five per cent on the cost of all machinery and tools used therein, interest on all stock carried, insurance, loss through bad debts and the actual running expenses of such Department - excepting however rent and power, to be supplied at the factory free of charge.

Second, the party of the Second part in consideration of the aforesaid hereby agrees to devote his entire time and energies to the sale and introduction of the said machinery and appliances and generally to promote the success and efficiency of said Department so far as he may be able.

Third, no machinery shall be sold by the party of the Second part at a price less than ten per cent above the cost of manufacture.

and no credit shall be given
by him without the consent
and permission of the said
Machine Works. And the
said Works shall be at liberty
to refuse all orders exceeding
the capacity of the special
tools and machinery to be
used in such manufacture
and herein before mentioned
Fourth. An account of stock
shall be taken at the end
of each month, and the profits
of the Department fixed, and
the party of the second part
shall then be paid such
commissions as may be
due him on money received
Fifth. This Agreement
shall continue and be
operative for three years
from the date hereof, provided
however that should the
profits during any four
months fall below an average
of twenty per cent per month
either of the parties hereto
shall have the right to

terminate and cancel this
Agreement by giving (other than
three months notice in writing
of his or its intention so to do,
and upon the expiration of the
time so limited this contract
shall cease and be and become
void and of no effect
In witness whereof the parties
hereto have hereunto set
their hands and seals the
day and year first above
written

Witness

The Edison Machine Works
by Thomas A. Edison, president
H. M. Lorr.

Attest

Sam E. Smith
Secy

Attorney to the Corporation of
Edison River

A. M. L.

The above agreement is cancelled by
mutual consent this 25th day of July
1884

Witness
John L. Hamilton

J. M. Linn
Edison Machine Co.
By Sam Lusk
Secretary



1884-06-10

The Edison Electric Works a corporation
incorporated according under the laws of the
State of New York

Whereas, I Antonio Samper of Paris
France, did obtain Letters Patent
of the United States for new and
useful improvement in ^{apparatus for} transmitting
of action which I term "Pulley Gripper"
dated June 20th 1882, and numbered
259,927. Now this Indenture witness
eth that for and in consideration
of the sum of one hundred dollars
(said sum being the royalty on
ten Pulley Grippers) to me in hand
paid, the receipt of which I acknowledge I do hereby grant unto
The Edison Machine Works located
in ~~the City County & State of New~~
~~York~~ license and right to man-
ufacture and use upon the Dyna-
mos engines or pulleys of the
Edison Electric Light Companies
within the following designated
limits and places namely the
United States of America. The
said Edison Machine Works hereby
agree to pay to the said Antonio
Samper the sum of ten (10) dollars
royalty upon each and every
"Pulley Gripper" that the said
Edison Machine Works manufacture

or apply to each and every Dynamo
Engine or Pulley they may use for
^{the Edison system of} Electric Lighting and do further
agree to render to the said
Antonio Sampson or his legal
representative a faithful and
true account of ~~all~~ and every
application of said Pulley
Gripser or Gripers they may
manufacture or apply. It is
further agreed that the said
Edison Machine Works has no
right or license to manufacture
~~or~~ apply ^{or sell} the said Pulley Gripser
or Gripers to or for any other
purpose than their own particular
system of Electric Lighting.
This license and right to be held and
enjoyed by the said Edison Machine
Works and assigns to the full end
of the term for which said Letters
Patent are granted.

Witness - hand & seal this 10th day
of June 1884

Signed & delivered in presence of

SS

SS

THOMAS A. EDISON, PRESIDENT,
SAMUEL INSULL, SECRETARY & TREAS.
GUSTAV SOLDAN, SUPERINTENDENT.

Form 1 Y.
100-425-24.

OFFICE,
65 FIFTH AVENUE,

EDISON MACHINE WORKS.

104 GOERCK STREET,

New York

June 24 1884

Sam'l Insull Esq. Secy
#65 - 5th av
City

Dear Sir:

Please ask Andrews to give
details of trouble of pulleys at Middle-
town, Piqua & Circleville.

I shall bind all we have here with
brass rings on edges, but I want
pulley people to pay for it

Yours truly

EDISON MACHINE WORKS

Chas B. Batchelor

June 25/84

This agreement made this day of June
1884 Between The Edison Machine Works,
a corporation organized and existing
under the laws of the State of New York,
party of the first part, and Antoin
Lamont of Paris, France, party of the
second part,

Witnesseth;

Whereas the party of the ^{second} part
is the inventor of, and did heretofore
obtain Letters Patent of the United
States for an improvement in
Apparatus for transmitting power,
motion, known as a Pulley, Wiper,
which Letters Patent are dated June
20th, 1882 and are numbered 259,927
and ~~also~~

Whereas the party of the first part
is desirous of manufacturing ^{using} and
the same

Notwithstanding the above,

First, the party of the second part
in consideration of the sum of one
hundred dollars which part the
receipt of which is hereby acknowledged
by ~~the~~ said Antoin Lamont in consideration
of the royalty hereof the
mentioned hereby licensee

contains Ten Branches of the
Gambier

The party of the first part do assign
and assigns to manufacture all
~~and use~~ ^{or} upon the dynamo
engines, pulleys and machinery
now or hereafter to be manufactured
and ~~used~~ ^{or} used by it the invention
or inventions covered by said
Letters Patent or any improvement
or improvements thereon which the
second party of the second part
may make

Second: In consideration of the
aforesaid the party of the first
part hereby agree to pay to the
party of the second part a royalty
of ten dollars upon each Pulley
Shaft Grippen so manufactured
used or sold ^{by it} during the term
of said Patent provided however
that should then so long as the
said invention ~~is~~ ^{is} covered
may be protected by the said Letters
Patent, and further to keep true
correct books of account of
all of said Pulley Shafts Grippens so manu-
factured and used as aforesaid.
Third: This license is to continue
the in force during the full
term of said Letters Patent or any

decide thereby or any improvement
or improvements on the invention
embodied therein.

As witnesses whereof the
parties hereto have hereunto
set their hands and seal
the day & year first above
written.

~~4~~
7 provided however that should the said
Letter Patent for any reason fail to
protect the said invention or should the
said Party complain be manufactured
sold or used in the United States by
parties not licensed by the party of
the second part. then and in that case
all obligation (other royalties under
this Agreement shall cease until
such time as the party of the second
part shall enforce his said Patent

June 25th / 84

Cases	Contents	Gross Weight	Tare	Net Weight	Type	Dimensions
2	Fields	1920	230	1690	H.	$\frac{1}{11} \times \frac{1}{5} \times \frac{3}{3}$
3	Corner Keypers	3720	520	3200	H.	$\frac{1}{3} \times \frac{2}{4} \times \frac{1}{5}$
1	Bed Plate	1315	269	1046	H.	$\frac{1}{4} \times \frac{3}{1} \times \frac{6}{10}$
1	Pillow Block	280	57	223	H.	$\frac{1}{5} \times \frac{1}{5} \times \frac{2}{5}$
1	Sundries	125	100	25	H.	$\frac{1}{3} \times \frac{1}{7} \times \frac{5}{-}$
1	Armature	1105	290	815	H.	$\frac{1}{7} \times \frac{1}{9} \times \frac{7}{2}$
		8465	1466	6999		
1	Fields	1400	117	1283	Y	$\frac{1}{10} \times \frac{1}{8} \times \frac{4}{5}$
2	Cores	985	175	810	Y	$\frac{1}{7} \times \frac{1}{9} \times \frac{2}{10}$
1	Keypers	568	8	560	Y	$\frac{7}{11} \times \frac{7}{11} \times \frac{3}{1}$
1	Bed Plate	1076	140	936	Y	$\frac{1}{3} \times \frac{3}{-} \times \frac{6}{6}$
1	Sundries	300	94	206	Y	$\frac{1}{3} \times \frac{1}{7} \times \frac{5}{-}$
1	Armature	820	200	620	Y	$\frac{1}{7} \times \frac{1}{6} \times \frac{6}{-}$
1	Pillow Block	340	65	275	Y	$\frac{1}{5} \times \frac{1}{6} \times \frac{2}{6}$
		5489	799	4690		
1	Fields	1208	110	1098	S	$\frac{1}{11} \times \frac{1}{6} \times \frac{4}{2}$
2	Cores	707	170	537	S	$\frac{1}{6} \times \frac{1}{8} \times \frac{1}{10}$
1	Keypers	490	8	482	S	$\frac{1}{10} \times \frac{1}{10} \times \frac{2}{8}$
1	Bed Plate	900	140	760	S	$\frac{1}{3} \times \frac{3}{1} \times \frac{5}{4}$
1	Sundries	300	94	206	S	$\frac{1}{3} \times \frac{1}{7} \times \frac{5}{-}$
1	Armature	735	205	530	S	$\frac{1}{7} \times \frac{1}{6} \times \frac{5}{8}$
1	Pillow Block	268	60	208	S	$\frac{1}{3} \times \frac{1}{6} \times \frac{2}{3}$
		4608	787	3821		

Cases	Contents	Gross Height	Tare	Nett Height	Type	Dimensions
2	Cores & Keypers	540	134	406	T	$\frac{1}{16} \times \frac{1}{10} \times \frac{2}{11}$ each
1	Bed Plate & Fields	915	100	815	T	$\frac{2}{16} \times \frac{2}{16} \times \frac{4}{16}$
1	Sundries	285	80	205	T	$\frac{1}{16} \times \frac{1}{16} \times \frac{4}{16}$
1	Armature	265	46	219	T	$\frac{1}{16} \times \frac{1}{16} \times \frac{4}{16}$
		2005	360	1645		
1	Cores & Keypers	927	107	820	R	$\frac{1}{16} \times \frac{1}{11} \times \frac{3}{16}$
1	Bed Plate & Sundries	372	80	292	R	$\frac{1}{16} \times \frac{2}{16} \times \frac{3}{16}$
1	Armature	110	35	75	R	$\frac{1}{16} \times \frac{1}{11} \times \frac{2}{11}$
		1409	222	1187		
1	Cores & Keypers	850	107	743	G	$\frac{1}{16} \times \frac{1}{11} \times \frac{3}{16}$
1	Bed Plate & Sundries	335	80	255	G	$\frac{1}{16} \times \frac{2}{16} \times \frac{3}{16}$
1	Armature	110	35	75	G	$\frac{1}{16} \times \frac{1}{11} \times \frac{2}{11}$
		1295	222	1073		

Height of 50 Ht Dyno	1300 lbs
" " 6½" x 7" Engine	1100 "
" " Boiler, 70 H.P.	2050 "
	<u>4450 "</u>

Height of 150 Ht Dynamo	6000 lbs
" " 6½" x 8" Engine	2100 "
" " Boiler, 23 H.P.	4300 "
	<u>12400 "</u>

Height of 200 Ht Dynamo	3600 lbs
" " 300 " "	6360 "
" " 8½" x 10" Engine	3450 "
" " 9½" x 12" "	4500 "
" " Boiler 70 H.P.	17000 "
	<u>34810 "</u>

June 25th /84

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE.

New York, June 26, 1889

My dear Ott,

Edison wants
you to come down to Genet
It early this morning and
take charge of my experimenting.
He says leave the other
thing just at present. We
are anxious to have a lot
of experiments made quick.
We have three men here and
you can get a good deal of
work out of them by directing
them work well.

Batchelor
'Come right away'!

THOS. A. EDISON, PRES'T,
SAMUEL INGLIS, SECY & TREAS.
GUSTAV SOLDAN, SUPT,

Form 1 V.
3009-0-21-96

EXECUTIVE OFFICE,
65 FIFTH AVENUE,
NEW YORK

EDISON MACHINE WORKS.

OFFICE OF SUPERINTENDENT,

104 GOERCK STREET,

New York, June 27, 1888

Samuel Ingersoll Esq. Secy & Treas
65 Fifth Ave
Dear Sir:

Our Pay -
Roll this week amounts
to \$1115 $\frac{65}{100}$.

Yours Truly
Ernest Berggren

Form 1 V.
5000-5-21-78.

THOS. A. EDISON, PRESY,
SAMUEL INSULL, SECY & TREAS.
GUSTAV SOLDAN, SUPY,

EXECUTIVE OFFICE,
65 FIFTH AVENUE,
NEW YORK.

EDISON MACHINE WORKS.

OFFICE OF SUPERINTENDENT,
104 GOERCK STREET,

New York, *Jan. 2* 1884

Samuel Insull Esq, Secy & Treas
65 Fifth Ave.

Dear Sir

We beg to
acknowledge the receipt of
your letter of the 27th inst
relating to damaged armature
to be returned from Brooklyn.

The armature in question
has not been received yet,
but as soon as it does come, we
will attend to repairing it
without cost as requested

Yours Respectfully
EDISON MACHINE WORKS

Chas. Ketchum

Genl Mgr.

Established 1855.

The George W. Mace Machinery Company,
Railway and Machine Shop Equipment,
121 Chambers & 103 Reade Streets,

P.O. Box 1119.

New York, June 30th 1884

Friend Ingham

I made an appointment
yesterday with Mr. Edison to
meet Mr. Mace at 65 Fifth
Ave. tomorrow (Monday) night in
reference to that large plant for
the United States Rolling Stock
Company at West. Mr. Edison said
he would be there but also told
me to see you & remind him
of it & see that he does not
forget it, will you please attend
to this inquiry

Very truly yours

H. M. Liron

THOMAS A. EDISON, President,
SAMUEL INSHILL, Secretary & Treas.

Form 1 W.-1000-3-18-94.

EDISON MACHINE WORKS,
OFFICE, 65 FIFTH AVENUE, (Room 17.)

WORKS,
104 GOERCK ST.

New York, June 188

Call a meeting—

{ Authorize the change of office to
Goerck Street

{ Appoint Batchelor ^{manager} ~~per term~~ — with
full powers ~~to~~ order & sign checks

{ Authorize settlement with Construction
Department

ALL COMMUNICATIONS
TO BE ADDRESSED TO
THE OFFICE.

EDISON MACHINE WORKS.

OFFICE, 65 FIFTH AVENUE.

Form 1 8-1005-1-15-94.

WORKS,
104 GOERCK ST.

New York, July 18th, 1884, 188

H. M. Liver, Esq.

City.

Dear Sir:-

I want a machine for boring and facing the cylinder of
the Straight Line Engine. You know the casting is all in one
piece. Get me prices with cut etc.

Yours truly,

Edison Machine Works,

By

Charbatcher

General Manager.

This is to certify that We the
Edison Machine Works a corporation
organized and existing under the laws of
the State of New York, and Thomas Alva
Edison of the City of New York Do consider
Alfred O. Tate Esquire in every way qual-
ified and thoroughly competent to erect, in-
stall and operate Plants for Isolated and
Central Station Lighting wherein are employ-
ed the various Machines, apparatus and de-
vices embodying the intentions of the said
Thomas Alva Edison, the said Alfred O. Tate
having had large experience therein under us
in the United States of America

In Witness Whereof we have hereunto
set our hands and seals this Twenty day
of July 1884.

Edison Machine Works

by

Thomas Alva Edison
President

Attest Thomas Alva Edison
Secretary

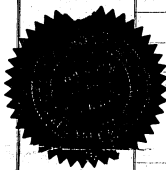
State of New York

City and County of New York } ss

On this Twenty day of July in the year



One thousand eight hundred and eighty four
before me personally appeared Samuel Russell
to me known and known to me to be the Sec-
retary of the Colison Machine Works the Corpo-
ration described in and who executed the fore-
going Instrument and who by me being duly
sworn did depose and say that he resides in
the City of New York that he is Secretary of the said
Colison Machine Works that he knows the Corporate
seal thereof, that the seal affixed to the said instru-
ment is said Corporate seal and was so affixed by
order of the Board of Directors of the Company and
that he subscribed his name thereto by a like order as
Secretary of said Colison Machine Works and the said
deponent further saith that he is acquainted with
Thomas Alva Edison and knows him to be the President
of said Colison Machine Works that the signature of the
said Thomas Alva Edison above described is in the
genuine hand writing of the said Thomas Alva Edison
and was thereto subscribed by the like order of the said
Board of Directors and in the presence of said deponent
and on the day and year aforesaid did also appear be-
fore me the said Thomas Alva Edison to me personally
known and known to me to be the person described in
and who executed the said instrument and acknowledged
that he executed the same for the purposes therein mentioned



John Tomlinson
Notary Public
N.Y.C.

THOMAS A. EDISON,
PRESIDENT.

CHAS. BATCHELOR,
TREASURER AND GEN'L. MANAGER.

SAMUEL INSULL,
SECRETARY.

EDISON MACHINE WORKS.
104 GOERCK STREET.

CABLE ADDRESS:
"NYDBUN NEW YORK."

New York, August 22nd. 1884.

Thomas A. Edison Esq.

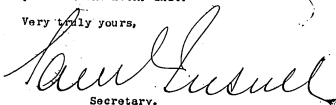
65 Fifth Avenue, City.

Dear Sir:-

Referring to the notice of meeting of the stockholders of the Edison Machine Works, sent you this day, I shall be glad if you will sign and return to me the enclosed memorandum.

The reason for calling a meeting so hurriedly is that it is necessary that the contract proposed to be made between the Edison Machine Works and the Edison Electric Light Co. must be considered prior to the meeting of the stockholders of the latter Company, which takes place on the 26th. inst.

Very truly yours,


Secretary.

THOMAS A. EDISON,
PRESIDENT.

CHAS. BACHELOR,
TREASURER AND GEN'L. MANAGER.

SAMUEL INSULL,
SECRETARY.

EDISON MACHINE WORKS,
104 GOERCK STREET.

CABLE ADDRESS:
"XYDSUN NEW YORK."

New York, --August--22nd.--1884.--

Thomas A. Edison, Esq.

65 Fifth Avenue, City.

Dear Sir:-

A special meeting of the stockholders of the Edison Machine Works, will be held at the office of Messrs. Bergmann & Co, 292 Avenue B, on Monday, the 25th. inst., at two P.M.

This meeting is for the purpose of considering a certain agreement proposed to be made between the Edison Electric Light Co. and the Edison Machine Works,

By Order of the President,

Samuel Insull
Secretary.

(Aug. 1884)

KNOW ALL MEN BY THESE PRESENTS that

WHEREAS, we, the Edison Machine Works, a corporation organized and existing under the laws of the State of New York in the United States of America, by virtue of a certain Agreement made between us and the Edison Electric Light Company, have been duly authorized to exploit the Edison System of Lighting in the ~~United States of America~~ *Republic of Colombia* and to sell for use therein the various machines, apparatus and devices embodying the inventions of Thomas Alva Edison for the purpose of Electric Lighting; and generating, regulating and applying Electrical currents for producing light heat and power according to the means and methods of the Edison Lighting System. And

WHEREAS we have entire confidence in the integrity and ability of Mr. Milton F. Adams of the City and State of New York, and appreciating the benefit to accrue to our said business by intrusting to him the management thereof, are desirous of securing his services in and concerning the premises.

NOW THESE PRESENTS WITNESSETH that we have constituted and appointed and do hereby constitute and appoint the said Milton F. Adams our sole agent for the Republic aforesaid and as such have duly authorized and empowered him, and do hereby authorize and empower him, to sell for use therein the various machines, apparatus and devices aforesaid necessary for, used in, and constituting what are known as Isolated, Central Station, Municipal and Arc Light Plants at the prices and upon the terms set forth in a certain contract made between us and the said Milton F. Adams

of even date herewith.

IN WITNESS WHEREOF we have hereunto caused our corporate name to be subscribed and our corporate seal to be affixed this day of August in the year One thousand eight hundred and eighty four.

E. L. —
Edison Machine Works.

Agreement made This day of August, 1884,
between the Edison Machine Works, a corpor-
ation organized and existing under the laws
of the State of New York, party of the first
part, and Signor Carlos Monteiro & Souza
of the City of Belem, in the Province of
Para, Empire of Brazil, party of the
second part,
Witnesseth:

Whereas, the party of the first part, by virtue
of a certain agreement made between it and
the Edison Electric Light Company, has been
duly authorized to sell for use in the Empire
of Brazil, the various machines, apparatus
and devices, embodying the inventions of
Thomas Alva Edison and protected by
Letters Patent owned by said Company
necessary for or used in isolated, distributed,
or central station lighting, and to license
the use hereof for the purpose of generating,
regulating and applying electrical currents
for producing light, heat and power
according to the means and methods of
the Edison System; and

Whereas the party of the first part is
about to exploit the said Systems of Lighting
in the Northern Provinces of the said
Empire of Brazil, that is to say, in the
Provinces of Amazonas, Para, Piaui,

Beara, Rio Grande du Norte, Paratyba, Pernambuco and Maranhao, and is desirous of securing the services of the Party of the Second part in and concerning the premises.

Now it is agreed as follows:

First, The Party of the First part hereby constitutes and appoints the Party of the Second part its Agent for the Provinces aforesaid in the said Empire of Brazil, and as such authorizes and empowers him to act for use therein the various machines apparatus and devices ~~aforesaid~~ constituting and comprising what are known as Isolated Municipal and Central Station Plants and to license and authorize the use thereof within ^{and} the territory aforesaid, upon and at the following terms and prices hereinafter stated. The minimum prices at which such plants shall respectively be sold shall be fixed as follows:

A - In Isolated Plants the various machines apparatus and devices constituting the same shall be sold at the shop price in New York with all discounts off plus fifteen per centum of such shop price, excepting lamps & dynamos. The price of dynamos shall be the same as charged in New York by the Edison Company for Isolated Lighting; ^{& that of} and lamps of ten or

Electrician should receive \$1.25 per hour.

B - In Municipal Plants, where where
~~the~~ are incandescent lamps are employed,
 the price of by measures shall be the same
 as in Isolated Plants. All else comprising
 such Plants shall be sold at the shop price
 plus fifty per centum thereof.

C - In Central Station Plants there
 shall be added to the cost price of all
 machines apparatus & devices employed
 therein twenty per cent thereof. The total
 thus obtained shall be further increased
 by twenty five per centum of such total.
 the aggregate sum thus obtained to be the
~~price at which such Plants should be~~
~~sold~~ further increased by such sum
 as the party of the second part may in
 his discretion charge for the franchise,
 that is the right to use the conventions
 of the said Edison for Central
 Station Lighting within the area
 covered by the Plant.

D - In the Light Plants lamps shall
 be ^{sold} at \$50 per lamp and by measure
 at the prices ~~now~~ charged in New York by
 the Edison Company for Isolated
 Lighting - all other ~~material~~ machinery & apparatus
~~and~~ employed in such Plants shall be sold
 at the shop price plus fifty per centum

the price of
~~them of, excepting cartons which shall be sold~~
~~at the same price as the price of the~~
~~at the price charged by the American Company~~
 E - ^{the price of} All renewal machines, apparatus
 and devices required in Plants sold by the
 Party of the second part during the continuous life of
 shall be the same as originally charged
 therefor in such Plants respectively, except
 that renewal lamps of 3.2 candle power for
 Municipal lighting shall be sold at \$2.00 a pair
 an saving of seventy five cents over this cost
 in the United States, & a similar measure shall
 be adopted for lamps of other different candle power
 when required for such Plants, Renewal
 lamps for Central Station Plants of two candle
 power to be sold at 80 cents, of fifteen at
 70 cents.

D - To the prices fixed as aforesaid
 shall be further added the actual cost of
 package & delivery on ship board in the
 Harbor of New York, freight & insurance to
 the port of destination all duties & customs
 required in the Port of Entry and two and
 one half per centum of the total cost
 of the plants, ~~to be added by the party of the~~
~~first part in paying commissions to some~~
~~responsible house banking house to be used~~
 in paying banking commission & charges.
 Third. The party of the second part
 will as above are sent to the Party

of the second part ship, to Pernambuco or
 such other port as may be designated in such
 orders, the various machines, apparatus and
 devices secondly consigned to some reputable
 banking or commission house therein, will
 at the same time by letter of instructions
 to accompany the bills of lading instruct the
 consignees thereof to assign the said ~~gas~~
~~machines, apparatus and devices~~ bills of
 lading and deliver the ~~said~~ ^{machines} apparatus
 & devices therein mentioned to the said
 party of the second ^{part} before time being
 deposited to its credit with such bank
 an amount equivalent to the total
 price of such plant as heretofore
 fixed less the commissions to be
 paid the party of the second part
 as herein after stated, and the
 said party of the first ^{part} will in
 due order of instructions aforesaid
 specify the amount so required to
 be deposited before the assignment
 of the bills of lading, and the party of
~~secondly~~ the second part ^{will} ~~shall~~ have no power
 or authority to withhold the said ^{first} part
 from part to deliver ^{without a any reservation} any of the aforesaid
 property or assign the said bills of lading
 until a deposit as aforesaid has
 been made -

Seventh: The party of the second part is
 hereby given no power to contract for the
 installation & ^{removal} erection of, or to erect, any of the
 plants of a kind in the name of or
 as agent of the party of the second
 part but ~~inasmuch~~ ^{as} it is his
~~intention to personally construct~~
~~for the erection of the~~ to erect the
 same and as it is his intention
 personally, and in his own name
 so to do, and as it is of such impor-
 tance to the party of the second part
 that ~~and~~ ^{and} plants should be erected
 properly and in accordance with
 the plans and adopted in the United States
 the party of the second part hereby agrees
 to employ at his own cost & expense during
 the continuance hereof a competent
 mechanical & electrical engineer to
 be designated by the party of the
 first part to superintend the erection
 & installation of such plants as
 may be so ordered by him and the
 party of the second part further
 agrees to reside in the Empire
 of Brazil during the term of
 this Agreement & to devote his
 entire time and energies to the
 sole introduction of distillers,

Photo

Municipal and Central Stations, then
and finally to ^{be added to} the
Receives of the first part of the
first part to the full extent of
his abilities.

Fifth. In consideration of the faithful
performance of the above hereinbefore
agreed to be performed by the part of the
Recipient the Party of the first part
agrees to pay him the following Commission
on all sale made by him, that is to say

1 On all Isolated Plants an amount
equivalent ^{only five cent} to the difference obtained by
subtracting ^{from} the ^{price} cost of the lamps as
hereinbefore fixed the cost price thereof
plus twenty five per cent, and forty
per cent of the difference obtained by
subtracting from the price of lamps as
hereinbefore fixed, in the case of Ordinary
Candle power lamps sixty cents, in the
case of ten candle power lamps
seventy cents.

2 On all Municipal Plants an ^{amount}
equivalent to forty per cent of the
difference obtained by subtracting from
the price of the lamps as hereinbefore
fixed the cost price thereof plus twenty
five per cent, and forty per cent of
the fifty per cent ^{added} to the cost price

of the various other machines, apparatus, devices
constituting such Plant.

3- On all Central Station Plants an
amount equivalent to the sum added to the
price thereof as hereinafter fixed for the
Guarantee Period defined.

4- On all A.C. Light Plants an amount
equivalent to fifty per cent of the difference
between the ^{selling} price of one by means of the ^{shop}
price thereof ~~forty~~ twenty five per cent, also
fifty per cent of the difference between the
selling price of the lamps & the shop price
plus twenty five per cent + fifty per cent
of the fifty per cent to be added to the cost
price of the various ^{other} machines, apparatus,
devices ^{constituting such plant} as hereinafter provided -

5- On all ~~central station~~ ^{other} machines, apparatus &
devices ^{constituting such plant} as hereinafter provided -

5- Similar commissions shall be paid to
the party of the second part on all ~~other~~
renewals sold by him during the guarantee
period, except that in the case of renewals
of lamps for Municipal Plants the cost ^{of the} ~~of the~~
at 25 per cent less than price at which the same
are to be sold is hereby fixed at 20 per cent. The
party of the second part shall be paid a
commission equivalent to 40 per cent of the

of 32

in

8

Difference between the costs selling prices, On
 all removal lamps intended for isolated
 lighting sold by the party of the second part
 The price which has been before now fixed
 at 25 fifty per cent of the difference between
 such price & the cost price which is hereby fixed
 in favour for 16 candle power lamp seventy
 cents for ten or the lamps seventy
 cents, the said party of the second part
 to be entitled to said Commission on all
 removal isolated lamps required in Plants
 sold by him. For one year after the
 termination of this contract, shall
 removal lamps for central station
 Plants, the prices of which are for
 16 candle power lamps 70 cts, for 10
 candle power 80, fifty per cent of four
 cents for each removal lamp so sold by
 him.

Sixth, The prices herein before fixed are to be
 the maximum prices at ^{which} the ^{removal} lamps
 are respectively to be sold and the party
 of the second part in his declaration explains
 the price to be of to make stated as he may deem
 proper, any sale such as made to Delight
 personally, except that the price of lamps
 shall remain constant at the price
 herein before fixed -

9 Seventh, The Commission herein before

agreed to & paid the party of the second part
 shall be held liable to him from the time full
 money paid for such plants, and he shall
 in no case look to the party of the second
 purchase money of such plants, & he shall
 in no case be entitled to receive from
 the party of the first part any commission
 sum of money whatever under the full price
 of all plants, or ^{otherwise} ~~on which~~ such commission should
 have been paid to & received by the par-
 ty of the first part. It being the intention
 hereof and it is agreed, that the
 party of the first part shall be under
 no obligation to deliver any material until
 the full price thereof coming due has been
 deposited with credit as above provided,
 & that the party of the second part should
 & shall receive the payment of his said
 commission in such manner as he may deem
 most proper ~~and sufficient~~ to pay each
 deposit by note the party of the first part
 & to agree that the party of the second
 part has received the payment of his said
 commission & shall be discharged from all
 liability therefor.

Eighth, the party of the second is hereby
 authorized to assign to any individual or
 Co. all his rights & power in and under his
 agreement - & agree to bind his estate

Ex. - Foreign -
South America

Agreement made this day of August, 1884, between The Edison Machine Works, a corporation organized and existing under the laws of the State of New York, party of the first part, and Signor Carlos Monteiro e Souza, of the City of Belem, in the Province of Para, Empire of Brazil, party of the second part.

Witnesseth:

Whereas, The party of the first part, by virtue of a certain Agreement made between it and The Edison Electric Light Company of New York, has undertaken and has been duly authorized to exploit the Edison System of Electric Lighting in the Empire of Brazil, and to use for use therein the various machines apparatus and devices embodying the inventions of Thomas Alva Edison, necessary for or used in operating, Central Station and Municipal ^{Plant} Lighting, and to cause the use thereof for the purpose of generating, distributing and applying Electric Lighting, and generating, regulating and applying Electrical Currents for producing light,

heat and power according to the means and methods of the Edison Lighting System within the Empire of Brazil, and

Whereas, the party of the first part is about to exploit the said Systems of Lighting in the Northern Provinces of the said Empire of Brazil, that is to say, in the Provinces of Amazonas, Para Piauí, Ceará, Rio Grande do Norte, Paraíba, Pernambuco, and Maranhão, and is desirous of securing the services of the party of the second part in and concerning the premises.

Now it is agreed as follows:-

First, the party of the first part hereby constitutes and appoints the party of the second part its Agent for the Provinces aforesaid, and as such authorizes and empowers him to sell for use therein the various machines, apparatus and devices used in and constituting what are known as Isolated, Central Station and Municipal Plants, and to lease and authorize the use thereof within the said territory, upon the terms and at the prices herein after stated.

Dynamoes

Second, the minimum prices at which such plants shall respectively be sold shall be fixed as follows:

1 In Isolated Plants the various machines apparatus and devices constituting the same, shall be sold at the shop price in New York, with all discounts off, plus fifteen per centum of such shop price, excepting lamps and dynamoes.

The price of dynamoes shall be the same as charged in New York by The Edison Company for Isolated Lighting, that of lamps of ten or of sixteen candle power shall be one dollar and twenty five cents per lamp.

2 In Municipal Plants, either where arc or incandescent lamps are employed, the price of dynamoes shall be the same as in Isolated Plants, all else comprising such plants shall be sold at the shop price plus fifty per centum thereof.

3 - In Central Station Plants there shall be added to the shop price of all machines, apparatus and devices employed therein

twenty ^{five} per cent thereof, to the total
 thus obtained shall be further
 added twenty ^{five} per centum of
 such total, the aggregate sum
 thus obtained to be further increased
 by such sum as the party of
 the second part may in his
 discretion charge for the privilege,
 that is, the right to use the invention
 of our said Thomas Alva Edison
 for Central Station lighting within
 the area covered by the Plant.
 4. In Arc Light Plants dynamos
 shall be sold at the prices ~~as~~ charged
 in Isolated Plants, lamps at
 fifty dollars a piece, and all
 other ^{lights} machinery and apparatus
 at the cost price, plus fifty
 per centum thereof, excepting castings,
 the price of which shall be the same
 as the list price of the Edison
 Company at the time of the sale.
 5. The price of all renewal
 machines, apparatus and devices
 required in Plants sold by the
 party of the second part during
 the continuance hereof shall be
 the same as originally charged
 therefor in such Plants respectively.

Except that renewal lamps of thirty two candle power for Municipal Plants, shall be sold at not less than two dollars apiece, such price being seventy five cents in excess of their cost and a similar excess shall be made to the cost of lamps of different candle power. The cost price plus such excess will be the price at which such lamps ^{respective} shall be sold. Renewal lamps for Central Station Plants of two candle power shall be sold at eighty cents a piece, of sixteen candle power at seventy cents.

6. While prices fixed as aforesaid shall be further added the actual cost of package and delivery on ship board in the harbor of New York, freight and insurance to the port of destination, all ~~cost~~ Customs and duties in the port of entry, and two and one half per centum of the total cost ^{to be paid the first of these and part of the second} when used for payment of Packing Commission and charges.

No part or parts of any plant shall be sold except for renewal

extensions without the express consent
 of the party of the first part
 and it is to bear and thereby ensure
 the absolute right to refuse all
^{not wishing the entire electrical apparatus}
^{outlet} ~~acres~~ ^{thoroughly} ~~whether of either party or~~
~~parts sent it by the party of the~~
~~second part~~

Third, As acres are received from
 the party of the second part the said
 Edison Machine Works (accepting such
 as it may elect to refuse) will ship
 to ^{Paris} ~~Roumbour~~, or such other place as
 may be designated by the party of the
 second part, the machines apparatus
 and devices so ordered consigned
 to some responsible banking or
 commission house ^{in Paris} ~~London~~ with
 instructions to assign the bills of lading
 thereof and deliver the property so
 consigned to the party of the second
 part upon their being deposited with
 credit with such house the full
 price as hereinbefore fixed of such
 machines apparatus and devices
 less the commissions to be paid the party
 of the second part as herein after stated,
 And the party of the second part
 is hereby given, and shall have as
 power to obligate the party of the first

part to deliver to himself or any
 purchaser any of the aforesaid
 property until such deposit ^{such}
 has been made, and in case the
 deposit shall not have been made
 within days after the arrival
 of the property aforesaid the
 said Edison Machine Works shall
 have the right to reship the same
 to New York and charge the cost
 thereof as well as all expenses
 incurred in shipping from New York
 including freight insurance, duties ^{and interest of money of New York and}
 to from New York ^{and} ^{from}
 package, and banking commissions to
 the party of the second part personally,
 to be added to the price of any
 future material ordered by him,
 or otherwise collected in such way
 as it may seem proper.
 Fourth, The party of the second
 part is hereby given no power
 to contract for the erection or
 installation, or to erect and
 install any of the plants
 aforesaid in the name of, or
 as agent of the said Edison
 Machine Works, his authority
 hereunder being limited to the
 sale thereof as before stated,

But and is the intention of the
 and party of the Second part,
 personally, and in his own
 name to do, and as it is
 of great importance to the
 party of the first part
 that all plants should be
 installed and erected ^{properly &} according
 to the most approved standard,
 the party of the second part
 hereby agrees to employ at
 his own cost and expense,
 and keep with him in Brazil
 during the continuance hereof,
 a competent Mechanical
 and Electrical Engineer, to be
 selected by the party of the
 first part, to superintend
 the erection and installation
 of such plants as may
 be sold by him, and the
 party of the second part
 further agrees to reside in
 the Empire of Brazil during
 the existence hereof and to
 devote ^{the necessary} ~~the necessary~~ time and
 attention ~~therefor~~ to the sale and in-
 struction of isolated, central
 station, municipal and are

Light Plants, and to promote and facilitate the business of the party of the ~~2nd~~ first part to the full extent of his abilities. And further during ^{year of the operation hereof} such time to be in no way interested in the sale or introducing of any & description of Artificial Illumination, or the machines apparatus or devices used therein, as the agent representative of the said Edison Machine Works.

Fifth, In consideration of the faithful performance of the services hereinbefore agreed to be performed by the party of the second part the party of the first part agree to pay him the following commissions on all said sales made by him, that is to say,

1- On all isolated plants an amount equivalent to forty per centum of the difference obtained by subtracting from the price of the dynamo as hereinbefore fixed, the cost price thereof plus twenty per centum, and forty

per cent of the difference between the price of lamps as before stated and the cost thereof, ~~which for~~ ^{lamps} the cost of lamps of Sexton candle power being sixty cents, and of the candle power seventy cents.

2 On all Municipal Plants an amount equal to forty per cent of the difference obtained by subtracting from the price of the dynamo as before fixed the cost price thereof plus twenty five per cent, and forty per cent of the fifty per cent to be added ^{as above} to the cost price of the other machinery & apparatus composing such plants.

3- On all Central Station Plants an amount equivalent to the sum added to the price thereof for the franchise as above defined.

4- On all Arc Light Plants an amount equivalent to forty per cent of the difference obtained by subtracting from the price of the dynamo the cost price thereof plus twenty five

per centum, and forty per cent of the difference between the selling price of the lamp, i.e. fifty dollars and the shop price, i.e. twenty five dollars, ~~for~~ plus twenty five per cent of such shop price, and also forty per cent of the fifty per cent to be added to the cost price of all other machinery & apparatus entering into said plants as aforesaid.

5. Similar commissions shall be paid to the party of the second part on all renewals ~~solely~~ ^{by him} during the continuance hereof, except that in renewal lamps for Municipal Lighting Plants - the cost being one dollar and twenty five cents a lamp, and the selling price two dollars - the part of the second part shall be paid forty ~~per~~ ^{per} cent of the difference between such cost & price. On renewal lamps for isolated lighting ^{not of this} ~~the~~ shall be paid forty per cent of the difference between the price thereof as aforesaid & the cost, which for kerosene candle power lamps is fifty cents, & for the candle power lamps seventy cents.

Such right to commission on Renewal
 Leases for Isolated Plants, to continue
 for one year after the expiration hereof.
 On all Renewal Leases for
 Critical Station Plants, ^{and of kind} he shall be
 paid a commission of ten cents
 per lease.

Sixth, ~~the price herebefore fixed~~
~~as to the~~ ~~price~~ The party of the
 second part may in his discretion
 increase the price of Plants or
 parts thereof as herebefore fixed,
 which increase, if made, shall
 belong to him personally, except
 ing Leases, which shall remain
 constant at the prices stated.

Seventh: The commissions herebefore
 agreed to be paid the party of the second
 part shall be deducted by him from
^{such} ~~purchase money~~ ^{as he may} ~~paid~~ ^{received by him}
 from the sale of plants or parts thereof,
 and he shall in no case look to the
 party of the first part personally for
 such payment, it being expressly
 understood that all money deposited
 to the credit of the party of the ~~second~~ ^{first}
 Edition Machine Works in ^{as above provided} ~~Reimbursed~~
~~as elsewhere~~ are to be free & exclusive
 of all commissions to the party of the

Second part,

Eight. This agreement shall continue for Eighteen months from the date hereof but either party may terminate it at any time by giving to the other thirty days notice in writing of his or her desire or intention to do so and upon the giving of such notice and the expiration of the time therein limited this contract shall cease and come to an end.

Ninth The party of the second part may assign to any person or body Corporate any his, all and singular his rights and powers under this Contract, but ~~in such case are that Contract is~~
~~not to be taken effect~~ ~~of which shall be a binding~~
~~and of the same force & effect~~
~~upon and assign as though it~~
~~had originally been made~~
~~with him or it~~

~~In testimony~~ no assignment here of shall be made, and ~~not~~ no attempted assignment shall be valid unless it be made on condition thereof that, tender in fact the party of the second part shall be actively concerned.

and have a continuing interest
 in the management of the land
 in the hands of such a person
 as the Government may determine
 All the provisions hereof shall
 be as binding upon the assignee
 as though this contract had
 originally been made by and with
 said assignee by the said
 United States Government
 In Witness Whereof

The Secretary of the Interior

and

The Secretary of the Interior

and

and

(1884)

Edina Martin works with Segr

Carlos Monteiros e Souza of the
City of ^{Belém} ~~Para~~, Province of Para, Empire
of Brazil with favour of assignment
to such Company as may be formed

Contract to cover the North of Brazil
i.e. the Provinces within including
Pernambuco & the Province of the
Amazonas comprised as follows

Souza to employ & find mutually
satisfactory at his expense to be paid
— salary & — % of his profits

E.L. -
Edison Machine Works
Sept. 1, 1888

Edison Machine Works

To

John C. Tomlinson Dr

To

Professional services rendered as follows:

Solgee vs Edison.

Various interviews with
Messrs Edison, Ingersoll and
Randolph concerning claim.

Consultations and interviews
with Mr Mc Cutchin and
Examination of papers in suit.

Preparation of trial brief in
same

Attendance before United States
Circuit in Brooklyn and adjoining
cause

Preparing Order of substitution,
Attendance before United States
Circuit Court and entering
same

Various interviews with Mr Solgee
and Mr Bruckshank concerning
settlement of case.

Drawing release of claim of
\$5161⁵⁰/₁₀₀ and consent to dis-
continuance of suit on payment
of \$300.

Preparing and entering Order
of discontinuance and atten-
dances at United States
Court on same.

Preparing and serving Cer-
tified Copy of Order on
Plaintiffs Attorney.

Various interviews with Mr
McGatchin concerning his
claim for \$150, and settle-
ment of same for \$100.

150.⁰⁰

Rocap claim

Various interviews with Mr
Insull and Mr Ketchum
concerning claim of Mr
Rocap for \$1350.

Services in Obtaining and
drawing release of claim
for \$900.

100.

Dean claim

Various interviews with Messrs
Edison, Insull and Russell
in regard to claim of Charles
L. Dean for \$6626.⁰⁰/₁₀₀.

Preparing and attendance
on Execution of release

~~300~~
3-250.

Dean v Edison

Various consultations with
Mr Insull & Mr Edison in
regard to suit.

Preparing and serving answers
to plaintiffs Complaint

Preparing brief in answer
to plaintiffs motion to amend
Complaint

Preparing and serving notice
of trial.

\$100.

Smith v Edison

Various interviews with Mr
Edison and Mr Insull in
regard to suit.

Interviews with preparing
statement of Mr Randolph.
Examination of papers in
suit and preparing trial
brief.

Interview with defendants
attorney of record.

Attending at Court and
adjoining trial.

\$50.

Sawyers v Edison

Interviews with Mr Insull
and Mr Randolph in regard

To suit

Preparing and se.

To suit

Preparing and serving answer
to plaintiffs Complaint
Preparing and taking affidavits
of Hepworth, Walrond, Martin,
Sullivan, Clemen, Casick, Hanna
and Hankson

Preparing and serving Notice of Trial 100

Various interviews and consultations
with Mr Edison and Mr Insull
Concerning the Incorporation of
The Edison Machine Works

Preparing and attendance on
Execution of Certificates of
Incorporation.

Filing same with Secretary
of State and County Clerk

Preparing By-Laws of In-
corporation

Preparing and attendance
on Execution of Assignments
of Bills of Sale from The Machine
Works, The partnership to the
Incorporation

100.

Attendance on and advice
as to organization of Corporation
Preparing Minutes of Meeting

of Trustees.

Preparing Certificate of Stock
and advice as to issuing
of same.

Preparing and filing with
County Clerk Certificate of
Payment of Capital Stock

Attendance at various meetings
of the Board of Trustees of the
Corporation.

300
~~250.~~

Intermin with the result in
regard to complaints of water
from machine works flooding
streets. Intermin with
Corporation Attorney and settle
ment of matter.

15.

Consultations with Messrs
Edison, Batchelor & Livor in
regard to contract between
Livor and The Edison Machine
Works. preparing same in
duplicate and attendance at
Determination there of

25.

Various Consultations with
Mr Edison and Mr Stewart
in regard to Contract for
Exploitation of Edison Business
in Chili, preparing Contracts
in duplicate and attendance
on execution of same.
Obtaining Certificates of
Competency Clerk & Chilean Consul
to Contracts.

100.

Consultations with Mr Edison &
Mr Insull and Mr Tate and
Colonel Sherman in regard
to Argentine Contracts and
Certificates.
Preparing same in triplicate.

200.

Consultations with Mr Edison
Mr Insull and Mr Tate regarding
Contracts between The Edison
Machine Works and Mr Tate.
Preparing such Contracts in
duplicate and attendance on
execution of same

100

Consultations with Mr Edison
Mr Insull, Mr Adams and
Mr Souza in regard to

Bozelian Contracts

Preparing Contracts and Certif-
icates in duplicate and
Attendance on Execution of
Same.

Obtaining Certificates of County
Clark and Bozeman Council

150.

Consultations in regard to
and preparing Contract
between The Edison Machine
Works and Rafael Zaldivar.
Preparing same, and atten-
dance at Long Branch to
Obtain Signature of Minister
of Salvador

50

Consultations in regard to
and ~~Contracts~~ between The
Edison Machine Works
+ Mr Adams

Preparing same in duplicate
and attendance at Execution
thereof

Obtaining Certificates of
County Clark
Miscellaneous Services

150.

#1890

Received Payment of Thomas A. Edison

Sept 12/1884

John A. Hamilton

STODARD, LOVERING & Co.

8 Thomas Street.

Address N. Y. Box 382.

charged up

723.00

713.40

Interest - 9.60

NEW YORK

October 3^d 1884.

Mr. Ince,
Manager Edison Machine Works.

104 Greenwich St. N.Y.

Dear Sir -

Months ago an Boston House sent us their
of Dr. P. A. Edison for Machine Importer and
also, Am't to \$696. We wrote him at
his Fifth Av. office address, & called them repeatedly
finally last month on Mr. Ince
had an interview with you, and reported
that said bill would be paid by or before the
end of Sept.. It is very unpleasant to continue
this sort of work - We have never been obliged
to use legal measures, to collect a just debt,
and do not wish to make for you or ourselves
any offense or publicity
of \$696.00

Interest 0.69
on acc't 27.00
Grand 723.00

Your prompt response
will oblige your truly
Stodard, Lovering & Co.

New York, _____ 188

Samuel Insull & Co. - 65 5th Ave.

My dear Sir

I have to acknowledge
receipt of Certificate #1 for (200)
two hundred shares "Edison Machine
Works" Also Certificate No 13 for five (5)
shares of "Electric Light Co" stock
as per your letter of Oct 8th 1884

Truly yours

Oct 8th 1884

Chas. H. Satchel

THOMAS A. EDISON,
President.

CHAS. BATCHELOR,
Treasurer and Gen'l. Manager.

SAMUEL INSULL,
Secretary.

EDISON MACHINE WORKS,
104 GOERCK STREET,

CABLE ADDRESS:
"XYDSUN NEW YORK."

New York, November 8th, 1884.

T. A. Edison, Esq.

64 Fifth Ave, City.

Dear Sir:-

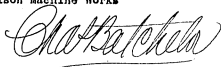
Washburn, Moag Man'g Co. say that they will draw me down any wire we have on hand to anything I want, So have Martin Force give me the exact amounts and weights of all you have at the Laboratory from the Construction Co., and we will turn it into money, on these orders we have.

We are

Very truly yours,

Edison Machine Works

By



Gen'l Manager

All Communications to be
addressed to the Office.

Form 1 A.

(1884)
Works,
104 Grand Street.

EDISON MACHINE WORKS.

OFFICE, 65 FIFTH AVENUE.

New York,

188

James Edison

PL 9 Jan 9
In forwarding my statement
with the Light Company they want
to deduct the 1/10 off of the original
portion. They informed me that they
would see you in regard to the matter.

You will please see them
about it for I will know you know
reimburse that the amount you got for
me at that time was to the 1/10th off
the one thousand, as that amount was for
other parties.

I am extremely sorry to annoy you
in regard to this, but the same brand
work to get a settlement with them.

Yours Truly
J. E. Edison

Established 1855.

The George Place Machinery Company,

Railway and Machine Shop Equipment,
121 Chambers & 103 Reade Streets,
New York.

P.O. Box 1119.

188

1 Shafty lathe	1800
1 four straighten	650
1 Hand	410
1 Cutting off Machine	1000
1 lathe 25 ft long with two head stock	900
1 Milling machine complete with all gear	450
of cutters	*
1 Chucking lathe with lvs	450
Rings & flaps to six shaft &	
lvs	300
cost also	

6000

The long lathe with the two head & tail stock also be used as two lathes to make couplings & other flange couplings and to be fitted to shaft one of the head stock will be taken off.

The above outfit has a capacity of say 225 ft of 2" shafty in 10

Established 1855.

The George Place Machinery Company.

Railway and Machine Shop Equipment,

121 Chambers & 103 Reade Streets.

P.O. Box 1119.

New York.

188

hours & other signs in proportion
with the necessary couplings
This shafting latter has turned out
under favorable circumstances a little
over 300 ft of 2" shafting, but on mill
allowance a man produces only
200 ft of shafting with necessary couplings
200 ft of 2" shafting will weigh 3000 lb

This at 5 cts per lb will be 100.00
Pay 14 Couplings at 4th each 63.00
Making totals of 163.00

Now the weight in mill may be 2200 lb ^{at} 2 cts per lb 44.00

14 Couplings mill may be 70.00 21.00

1 lb 2nd 30 cts 1 lb 1st = 10.00

2.00
6.16
11

75.00

add 33 1/3 % for shop expense 25.00

- profit

44.00

12.50

63.00

Established 1855.

The George Place Machinery Company.

Railway and Machine Shop Equipment.

121 Chambers & 103 Reade Streets.

3

P.O. Box 1119.

New York, 188

I agree to furnish the

Shanty lathe for	1850
Power shaper	650
Hand shaper	450
	<u>2950</u>

you have a long lathe with two heads
which is done to cost 900
you also have the gauge - 300

all you would have to furnish	
would be the cutting off wheel	1000
the Milling Machine	450
the Chucking lathe	450
	<u>1900</u>

Now you have at your shop
considerable in the way of
imperfective tools, my idea
is to sell two or three of these
tools & devote the proceeds

Established 1855.

The George Place Machinery Company,
Railway and Machine Shop Equipment,
125 Chambers & 103 Reade Streets,
New York.

P.O. Box 1119.

188

to buy the three tools costing \$1900
by this method you would have to pay
out as cash & would better yourself
by getting in place of three tools some that
would be productive.

In consideration of the fact that
I propose to put in fully as much as
you do, and I expect to do all the
work & bring all the trade I think
fairly it would be too little to
ask that you furnish power & rent &
for nothing, you getting your pay for
this & your investment by sharing in
the profit.

I would suggest also that
two special Dally lathes & a drilling
stuffing machine be added to the equipment
this would cost about 1250 additional
but this small investment would pay

Established 1835.

The George Place Machinery Company,

Railway and Machine Shop Equipment,

5 121 Chambers & 103 Reade Streets,

New York,

P.O. Box 1119.

188

a large ~~investment~~ which on the investment.
Also bear in mind the
fact that all of the tools you
furnish are tools that are regularly
manufactured & have a large sale
~~and~~ in that, to run the
whole thing up your risk is very
trifling.

28

110

j. 25

2. 3. 4.

9.44

 4.72

472

47

$$\frac{4.25}{42}$$

383

29]

148

94

10

2020

100

42

Material

10-22

10%

100

Labov

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3-2-2

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00

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429

57.7

10/10/10

26. 11. 22

— 1 m. 30 cm.

0100

1884. Electric Light - Edison Shafting Manufacturing Company (D-84-032)

This folder contains correspondence, agreements, by-laws, and other documents relating to the business of the Edison Shafting Manufacturing Company, which was incorporated in July 1884 in New York City. The company manufactured belts, pulleys, and rotating bars used in shafting gear assemblies. Most of the documents are agreements pertaining to the formation of the company. Related material can be found in D-84-031 (Electric Light - Edison Machine Works).

Approximately 70 percent of the documents have been filmed. The following categories of documents have not been filmed: routine correspondence regarding accounts, orders, shipping, and supplies; inventories; duplicate copies of selected documents. Related material can be found in the Edison Shafting Manufacturing Company Letterbooks, LB-006 - LB-011 (not filmed).

Edison Shafting Manufacturing Co.

with

Edison Machine Works.

C O N T R A C T .

CA

Agreement made this 14 day of July, 1884, between
the Edison Shafting Manufacturing Company, a Corporation
organized and existing under the laws of the State of New
York, party of the first part, and the Edison Machine Works
a Corporation likewise organized and existing under the
laws of the State of New York, party of the second part.,
Witnesseth.

WHEREAS the party of the first part has leased to
the party of the second part the following special tools
adapted to the manufacture of iron and steel shafting, pul-
leys, couplings, hangers and so forth, to wit. One cut-
ting off and centering machine, one chucking lathe and
tools, one milling machine and tools, one pulley lathe
(fifty inch), one pulley lathe (thirty two inch), one shaft-
ing lathe, one power straightener and one hand straightener,
which the party of the second part has erected in its works,
at No. 104 Goerck Street in the City of New York,

NOW IT IS AGREED, as follows:

First: The party of the second part hereby agree to
machine and manufacture into steel and iron shafting, coup-
lings, pulleys, hangers and so forth, such goods and mater-
ial suitable therefor as may be furnished it by the party
of the first part, but only to the capacity of the special
tools and machinery hereinbefore mentioned.

Second: The party of the first part shall at its
own expense deliver at the door of the said Machine Works
the goods and materials so to be manufactured, and shall
likewise at its own expense cart away and remove the man-
ufactured product--the actual handling of such material and

manufactured product in the shop, to be done at the expense of the party of the first part.

Third:- The party of the first part hereby agrees to pay to the party of the second part for all pulleys, shafting, couplings, hangers and so forth manufactured by it, the entire cost of manufacture, (which is deemed hereby to be the actual cost of all labor required in handling or doing the work, together with such percentage of the entire general expense of the party of the second part as the cost of such labor bears to the entire work turned out by it) Together with a profit of twenty ~~per~~ percent on the actual cost of all such labor employed.

Fourth:- This agreement shall continue for three years from the date hereof unless terminated by resolution of the Board of Directors of the respective parties hereto.

IN WITNESS WHEREOF. the parties hereto have caused their Corporate names to be subscribed and their Corporate seals to be affixed the day and year first above written.

Edison Shafting Manufacturing Company
By Thomas A. Edison President

Attest Saml Insull Secretary

Edison Machine Works
By Thomas A. Edison President

Attest Saml Insull Secretary

Harry M. Liver

with the

Edison Shafting Manufacturing Co.

CONTRACT.

60

This Agreement made this 14 day of July, 1884,
between the Edison Shafting Manufacturing Company, party of
the first part, and Harry H. Lyster, party of the second
part, WITNESSETH.

WHEREAS the party of the second part is a stock-
holder in, and has been elected General Manager of the party
of the first part.

NOW IT IS AGREED as follows:

First:- The party of the second part for and in
consideration of one dollar to him paid and other valuable
considerations hereby agrees to devote his entire time and
abilities for three years from the date hereof to promoting
extending and carrying on the business of the party of the
second part and during such time not to engage in any other
business or occupation but to hold himself in readiness to
do and perform and to go and perform such duties and ser-
vices as may be assigned him by the Board of Trustees of
the said Company.

Second:- And the said party of the first part here-
by agrees to continue the said party of the second part
as its General Manager for three years from the date hereof.

IN WITNESS WHEREOF the party of the first part has
caused its Corporate name to be subscribed and its Corpor-
ate seal to be affixed, and the party of the second part
has set his hand and seal the day and year first above
written.

Edison Shafting Manufacturing Company
By *Thomas A. Edison President*

Attest H. M. Lyster
Secy. Insur. Secutary

*J.C. have this
lines up report on book
Edison Shafting Co. July 23, 1884*

EDISON SHAFTHING COMPANY.

First meeting of the Trustees at 104 Goerck Street,
New York, on 23rd. July, 1884.

Present, Messrs. Edison, Batchelor and Livor.

Batchelor proposed, Livor seconded, that Edison be
Chairman pro tem. Carried unanimously.

Batchelor produced certified copy of the certificate of
incorporation, which was read, and on motion of Livor ordered to
be spread upon the minutes.

Batchelor produced By-Laws, which, after reading, were
adopted as the By-Laws of the Company, and were authorized to be
spread upon the minutes upon motion of Livor.

On motion of Batchelor, seconded by Livor, the election
of officers was proceeded with. Messrs. Insull and Tomlinson
were appointed tellers. Tellers reported three votes cast for
Edison, President, Batchelor, Treasurer, Livor, General Manager,
Insull Secretary.

Edison proposed that the Treasurer be authorized to de-
posit the funds of the Company in such bank as he and the General
Manager of the Company might agree upon; seconded by Livor and car-
ried unanimously.

Edison moved that the Treasurer be authorized to sign
and endorse notes and other commercial paper, on behalf of the
Company, which he might in his discretion think desirable.

Mr. Batchelor submitted a draft agreement between the
Edison Shafting Co. and the Edison Machine Works, and a draft
agreement between the Edison Shafting Co. and H. M. Livor, and
moved that the President and Treasurer of the Shafting Co. be
directed to execute the agreements in its name, and the seal of
the Company be affixed thereto by the Secretary; seconded by
Livor and carried unanimously.

Livor proposed that Tomlinson be appointed attorney at law for the Company. Carried.

Livor proposed that the Secretary of the Company be paid a salary of \$100. per annum, in case the net profits of the Co. be \$5,000. per annum or less, and in case the profits should be more than \$5,000., that the Secretary's salary be \$100. per annum and an amount equal to two and one half per cent of the net profits of the Co., above \$5,000. Edison seconded and carried unanimously.

Mr. Edison moved, and Mr. Batchelor seconded, that the Shafting Co. purchase the following machinery, necessary for its business from Thomas A. Edison:-

The following machinery from Charles Batchelor:-

The following machinery from H. M. Livor:-

and shall in payment therefore issue fully paid shares of its capital stock to the amount of the value of the said machinery.

Mr. Batchelor moved that the corporation shall adopt as its seal a seal bearing the inscription "Edison Shafting Manufacturing Company, Organized 1884." Seconded by Livor and carried unanimously.

The meeting then adjourned.

Eaton Shaffner Mfg Co
191 Fulton Street

New York 27th Aug 88.

H. M. Eison Esq.

Dear Sir,

A meeting of the
Board of Directors of the
above company will
be held at the office
of Messrs Beugmann
& Co 292 Avenue B on
Thursday 28th inst at
4 P.M.

By order of the President
J. J. Eison Esq.
J. J. Eison Esq.

Charles Batchelor
with
John Kruesi, Trustee

A G R E E M E N T .

THIS AGREEMENT made this 28th day of August, 1884,
between Charles Batchelor, party of the first part, and
John Kruesi Trustee, party of the second part.

WHEREAS there was heretofore issued to the party
of the first part eleven shares of the capital stock of the
Edison Shafting Manufacturing Company, represented in a
certain certificate of stock of said Company dated the 28th
day of August 1884, and numbered five and

WHEREAS the party of the first part by a certain
assignment endorsed on the back of such certificate did as-
sign the same to the party of the second part, and

WHEREAS the said certificate has been surrendered
and cancelled and the said stock transferred on the books
of the Company and a new certificate issued to the party of
the second part in lieu thereof, such certificate being
dated the 28th day of August, 1884, and being numbered
nine and

WHEREAS the stockholders of said Company have deemed
it for their interest, and for the interest of the Company
that no stock should be sold by them or either of them for
three years from the date hereof, and to that end the said
party of the first part has transferred his said stock to
the said party of the second part to be held by him in trust
upon the following terms and conditions:

NOW THESE PRESENTS WITNESSETH:

FIRST: The party of the second part hereby agrees
to hold the said stock for three years from the date here-
of and during such time to pay over, assign and deliver to

the party of the first part all dividends declared thereon, and further to give to him his proxy to vote upon such stock at all meetings of the stockholders of the said company.

SECOND:- That upon the expiration of the said three years the said party of the second part will transfer and assign to the said party of the first part the aforesaid stock, and will do each and every act necessary to cause the transfer thereof on the books of the said company

It being expressly understood that all equitable ownership and interest in said stock remains in the said party of the first part, the legal title alone having been transferred to the said John Kruesi Trustee.

THIRD:- And the said John Kruesi, Trustee does hereby constitute and appoint the said party of the first part his true and lawful Attorney and as such does authorize and empower him at any time after three years from the date hereof for him and in his name to transfer and assign unto himself the aforesaid stock on the books of the said company hereby ratifying and confirming all that he may do in the premises.

IN WITNESS WHEREOF the parties hereto have set their hands and seals the day and year first above written.

State of New York :

:

City and County of New York :

ss

On this *28th* day of *August*, 1904, before me personally appeared Charles Batchelor and John Krucsi, to me known and known to me to be the persons described and who executed the foregoing instrument and they severally acknowledged that they executed the same for the purposes therein contained.

John C. Tomlinson
Notary Public
N.Y.C.

Thomas W. Edison

with

John Kruesi, Trustee

A G R E E M E N T.

THIS AGREEMENT made this 28th day of August 1894,
between Thomas A. Edison, party of the first part, and
John Kruesi, Trustee, party of the second part.

WHEREAS there was heretofore issued to the party
of the first part forty three shares of the capital stock of
the Edison Shafting Manufacturing Company, represented in
a certain certificate of stock of said Company dated the
28th day of August, 1894, and numbered one and

WHEREAS the party of the first part by a certain
assignment endorsed on the back of such certificate did as-
sign the same to the party of the second part, and

WHEREAS the said Certificate has been surrendered
and cancelled and the said stock transferred on the books
of the Company and a new Certificate issued to the party
of the second part in lieu thereof, such Certificate being
dated the 28th day of August, 1894, and being numbered
seven and

WHEREAS the stockholders of said Company have de-
clared it for their interest, and for the interest of the Com-
pany that no stock should be sold by them or either of them
for three years from the date hereof, and to that end the
said party of the first part has transferred his said stock
to the said party of the second part to be held by him in
trust upon the following terms and conditions:

NOW THESE PRESENTS WITNESSETH:

FIRST:- The party of the second part hereby agrees
to hold the said stock for three years from the date hereof
and during such time to pay over, assign and deliver to the
party of the first part all dividends declared thereon, and


further to give to him his proxy to vote upon such stock at all meetings of the stockholders of the said Company.


SECOND:- That upon the expiration of the said three years the said party of the second part will transfer and assign to the said party of the first part the aforesaid stock, and will do such and every act necessary to cause the transfer thereof on the books of the said Company.

It being expressly understood that all equitable ownership and interest in said stock remains in the said party of the first part, the legal title alone having been transferred to the said John Kruesi, Trustee.

THIRD:- And the said John Kruesi, Trustee does hereby constitute and appoint the said party of the first part his true and lawful Attorney and as such does authorize and empower him at any time after three years from the date for him and in his name to transfer and assign unto himself the aforesaid stock on the books of the said Company hereby ratifying and confirming all that he may do in the premises.

IN WITNESS WHEREOF the parties hereto have set their hands and seals the day and year first above written.

Thomas A. Edman 

John Kruesi 

State of New York :

:

ss

City and County of New York:

On this 28th day of August 1911, before :

personally appeared Thomas A Edison and John Kruesi, to me
known and known to me to be the persons described in and
who executed the foregoing instrument and they severally
acknowledged that they executed the same for the purposes
therein mentioned.

William L. Hamilton
Notary Public
W. L. H.

Harry M. Liver

with

John Kruesi, Trustee.

AGREEMENT.

THIS AGREEMENT, made this 28th day of August 1894

between HARRY M. LIVOR of the City and State of New York, party of the first part, and JOHN KRUESE, Trustee, of the City of Brooklyn, and State of New York, party of the second part.

WHEREAS there was heretofore issued to the party of the first part forty three shares of the Capital Stock of the Edison Shafting Manufacturing Company, represented in a certain certificate of stock, dated the 20th day of August 1894, and numbered three ~~and~~

WHEREAS the party of the first part did by a certain assignment endorsed on the back thereof assign the same to the said party of the second part and

WHEREAS the said certificate has been surrendered and cancelled and the said stock transferred on the books of the Company and a new certificate issued to the party of the second part in lieu thereof, such certificate being dated the 20th day of August, 1894, and being numbered eight and

WHEREAS such assignment was in trust and upon the terms and condition hereinafter set forth.

NOW THESE PRESENTS WITNESSETH:-

First:- The party of the second part hereby agrees in case the said party of the first part shall remain and continue in the employ of the said Company as its general manager, and faithfully performs all the duties of his position, and such as may be assigned him by the Board of Trustees, of the said Company, for the term of three years,

from the date hereof to reassign the said stock to the said party of the first part, and it shall become and be his property discharged of all trusts whatsoever.

Second:- In case the said party of the first part should die within three years from the date hereof, being at the time of his decease, in the employ of the said Company, then and in that case, the said party of the second part, shall assign the said stock to his personal representatives.

Third:- If at any time before the expiration of the said three years, the party of the first part should leave the employ of, or cease to be connected with the said Company, or should violate a certain agreement made between him and it dated the ^{18th} day of ^{July} ~~Aug~~ 1884, or should be, or become insolvent, which fact shall be evidenced by the entry of a judgment against him, or by his making an assignment for the benefit of creditors, in either of which cases, the said party of the second part, shall assign, transfer and set over unto Thomas A. Edison and Charles Batchelor, the aforesaid stock, in proportions following, that is to say, to Thomas A. Edison ~~four~~ ^{nine} shares, to Charles Batchelor ~~nine~~ ^{four} shares, and they shall become the owners thereof respectively discharged of all trusts whatsoever.

Fourth:- In case of the dissolution of the said Company within the said three years, the party of the first part being at the time thereof in its employ, and said stock being still in the possession of the said Trustees and

no assignment thereof having been made by virtue of any of the provisions hereof, all assets coming to said Trustee by reason of his possession of the aforesaid stock shall be paid over and delivered by him to the said party of the first part.

Fifth:- So long as the said stock shall be held by the said Trustee, and until the assignment thereof by reason of any of the foregoing provisions, all dividends declared on said stock shall be paid by him to the party of the first part or disposed of as he may direct and the said Trustee shall until any assignment to be made as aforesaid give to the said party of the first part his proxy to vote thereon at all meetings of the stock-holders of the said Company.

IN WITNESS WHEREOF the party of the first part has set his hand and seal and the party of the second part, his hand and seal evidencing thereby his acceptance of the aforesaid trusts and conditions the day and year first above written.

Harry H. Liver

John Kruosi

State of New York

City and County of New York.

On this 20th day of August 1884, before me personally appeared Harry H. Liver and John Kruosi, to me known and known to me to be the persons described in and who executed the foregoing instrument and they severally acknowledged that they executed the same for the purposes therein mentioned.

John H. Hamilton
Notary Public
N.Y.C.

Thomas A. Edison and Charles
Batchelor.

with
Elizabeth Liver.

C O N T R A C T .

AGREEMENT made this 28th day of August 1884,

between THOMAS A. EDISON and CHARLES BATCHELOR, parties of
the first part and ELIZABETH LIVOR party of the second part.

WITNESSETH.

WHEREAS Harry H. Livor did by a certain instrument
28th Day of August or assignment dated the 28th day of August 1884, assign
to John Kruesi, Trustee, four ~~three~~ shares of the Capital
Stock of the Edison Shafting Manufacturing Company of the
par value of One hundred Dollars per share and

WHEREAS it is among other things in ^{a certain} ~~said~~ Agreement
made between the said Harry H. Livor and John Kruesi dated the 28th day of August 1884,
provided that in case the said Harry H. Livor should at any
time within three years from the date thereof become in-
solvent, which fact is to be evidenced by the entry of a
Judgment against him, or the making of an assignment for
the benefit of creditors then the said John Kruesi, Trustee,
is to assign the said Stock to the said Thomas A. Edison
and Charles Batchelor, as follows, to Thomas A. Edison twenty ~~ten~~ ^{four}
shares and to Charles Batchelor nine shares.

NOW IT IS AGREED AS FOLLOWS:-

First. In case the said stock shall be assigned to
the parties of the first part by reason of the said provis-
ion in the aforesaid agreement they do jointly and severally
agree to hold the same for the benefit of the party of the
second part and to pay over and deliver to her all div-
idends declared upon such stock and at the expiration of
three years from the date hereof to transfer and assign the
same to the said party of the second part, provided however
that the said Harry H. Livor at the time of such insolvency

and the declaration of such dividends shall be in the employ
of the said Edison Shafting Manufacturing Company, and shall
have faithfully kept and performed a certain agreement made
between him and it, dated the ~~12th~~^{12th} day of ~~July~~^{July} 1884,
and it is expressly understood that the parties of the
first part, and each of them, shall be under no obligation
to assign and transfer the aforesaid stock to the party of
the second part at the time above specified unless the said
Harry H. Livoz shall have been in the employ of the said
Company for the full term of three years aforesaid and
shall have faithfully kept and performed the agreement be-
fore referred to.

IN WITNESS WHEREOF the parties hereto have set
their hands and seals the day and year first above written.

Thomas A. Edison

Charles B. Chela

Elizabeth Livoz

Edison Shafting Mfg. Co.

Baby lets Loulinson & Dussell for joint
account a dinner for Batchelor, Edison
Dussell Loulinson & Baby to take place
after first week in January that
Shafting Company sells from now to
Jan 1st 85 for in amount to \$27000.

Loulinson & Dussell
August-30/84 *W. H. W.*
Babe

Babei
with

Insull + Hamilton

Betastor Shifting
Company

PIANO PLATES,
DRILLED, PINNED
ORNAMENTED,
AND
AGRAFFS PUT IN.

THE

DAVENPORT & TREACY CO.

COR. GROVE & 11TH STS.

IRON, BRASS & PHOSPHOR-BRONZE
CASTINGS.

Machine Moulded
PULLEYS,
Of the most Modern & Approved
Proportions.
HANGERS, COUPLINGS,
— &c. &c. —

Jersey City, Sep. 20 1884

Mr. W. M. Wilson

Genl. Manager

Order

Referring to yours of the 1st inst.
regarding the Lord Rensselaer Castings
sent you, we would say that we
acknowledge the fault and it
was a question with us whether to
send them or not. We concluded
that you would be the best judge
and sent them over. They were
through an error paired with
one of our brands of Iron that
is not adapted to such kind of
work when used alone. We very
much regret the trouble which
our error has caused you and
do not intend to leave it over
again for our own sake as well

PIANO PLATES,
DRILLED, PINNED
ORNAMENTED,

AND
AGRAFFS PUT IN.

THE DAVENPORT & TREACY CO.

COR. GROVE & 11TH STS.

IRON, BRASS & PHOSPHOR-BRONZE
CASTINGS.

Machines Moulded

PULLEYS,

Of the most Modern & Approved

Proportions.

HANGERS, COUPLINGS,

— &c., &c. —

Jersey City, 1888

As yours. We always
be pleased to do your work and
will do our best to satisfy and
accommodate you. but we wish
you to "distinctly understand" that
we will not do it in accordance
with the conditions named in
the last part of your letter. and if
you really insist upon your
conditions we shall be compelled
to decline your orders in future
and cancel those we now have
on our books.

Awaiting an early
reply from you on this subject
and again requesting a settlement
of our bill etc."

We are respectfully

THE DAVENPORT & TREACY CO.

Robert Davenport
pres

The Electric Tube Company.

18 to 24 Bridge St.

T. A. EDISON, Pres.
JOHN KILGUS, Treas.
SAMUEL INSULL, Sec'y.

Brooklyn, N. Y.,

Dec. 15th 1884

Sam'l Insull Esq

65-5th Ave.

N.Y.

Dear Sir,

I hereby acknowledge receipt of thy three stock certificates of Edison Shafting Mfg. Co. and contracts sent me by messenger to-day.

Yours Truly
John A. Edison

Compton File this
in Shafting Co. safe
in envelope with three
agreements enclosed

Law Offices of
ECCLISINE & TOMLINSON,
16 & 18 BROAD STREET.

THOS. G. E. ECCLISINE.
JOHN C. TOMLINSON.

E. L. -
Edison Shifting Mfg. Co.

NEW YORK,

Dec 16th

1884

The Edison Shifting Manufacturing Co.

110 104 104 Street
City:
Sentiment.

I am in receipt of the favor
of your Secretary of the 15th inst.
instructing me to institute proceedings
to secure your Capital from the
Twenty Thousand Dollars;

As this necessitates the preparation
of certain statements & certificates I
would suggest that a meeting of
your Directors be called for such
day as may be convenient where
the entire matter can be gone into
& the necessary preliminary steps taken -
If you could let me know a day

Law Office of
ECCLÉSINE & TOMLINSON,
16 & 18 Broad Street.

THOS. C. E. ECCLÉSINE.
JOHN C. TOMLINSON.

NEW YORK, 188

or two in advance of the meeting I shall
make it a point to be present.

Yours Truly
John C. Tomlinson

Write undesigned hereby
subscribe at par for the
number of shares of the
Capital stock of the
Silicon Shaping Co
opposite our names

Thomas A. Selman	44 shares
Charles B. Batcher	12 "
Harry M. Lion	44 "

Cert No 1 25 Aug 64 - 43 shares

T. A. S. to be assigned to Lion

& No 7 issued to Lion

No 3 to Lion assigned 43 &

No 8 to K.

No 5 to Batcher assigned & No 9

issued for 11 shares.

11 280	Edison
2820	Batchelor
4800	livor
1100	cash for Livor two
	straightened
<hr/>	
20000	

Edison B & livor gives notes
to C M W for amount
& secure them by the
Sept 9 Co stock

56#	44	10000
<u>11</u>		4400
	200,000	$\frac{440,000}{2,000,000} = 0.022$
		<u>40</u>
200000		

2 1/4	2 1/4	1500
Salary		
17500		
20000		
17200		
	4	1200
		4400

Batchelor
Edison
Livor
H

12	
44	
44	
<u>100</u>	
	4400
	4400
	<u>10000</u>

BY-LAWS

of the

Edison Shafting Manufacturing Co.

BY LAWS OF THE EDISON SHAWING MANUFACTURING COMPANY.

Article I.

Office of Business. The principal office and place of business of the Company shall be at No. 191 Fulton Street in the City of New York.

Article II.

Meeting of the stockholders.

Section 1. There shall be an annual meeting of stockholders held at the office of the Company on the _____ of _____ in each and every year, and due notice of such meeting, and written notices thereof shall be sent to each stockholder at his last known place of residence.

Section 2. Special meetings of the stockholders may be called by the Trustees when necessary, a notice of such meeting shall be mailed to each stockholder at his last known place of residence five days prior thereto.

Article III.

Votes and Proxies. At any meeting of stockholders each share of stock shall be entitled to count one vote, but such vote can only be given by a shareholder in person, or in case of his absence by a written proxy given to, and in the hands of a stockholder.

Article IV.

Trustees.

Section 1. There shall be three Trustees who shall

2

and Manager shall be elected annually by the Board of Trustees on the day of but may be removed at any time, by a majority vote of the Trustees.

Section 2. In case of death, resignation or removal from office, of any of the officers of this Company, the Board shall forthwith elect a successor who shall hold office for the unexpired time of such officer.

Section 3. In case of the neglect or failure of the Trustees to elect officers at the time prescribed, in Article VI., of these By Laws, the officers previously elected shall hold over and continue in office until an election is held.

Article VII.

Duty of President:

It shall be the duty of the President to preside at our meetings of the stockholders and Board of Trustees, to sign all certificates of Stock of the Company, and to do and perform all acts incident to his office and such as may be assigned him by the Board of Trustees.

Article VIII.

Of the Secretary:

The Secretary shall keep the minutes of the Board of Trustees in proper books provided for that purpose, and all the records and papers of said Board; he shall also keep the minutes of all meetings of the stockholders. He shall have the care and custody of the seal, stock and transfer books of the Company, and shall attend to the giving and serving of all notices of the Company. And shall do

and perform such other acts and duties as may be assigned to him by the Board of Trustees.

Article IX.

Of the Treasurer:

The Treasurer shall have the care and custody of the books of account and of all the funds of the Company and shall deposit all moneys in such bank, or banks as the Trustees may designate, and shall sign all checks used in the regular course of business. He shall keep his bank account in the name of the Company and shall render a statement of his cash account at each regular meeting of the Board of Trustees, and shall at all times exhibit his bank books and books of account to any Trustee, upon application at the office, during ordinary business hours. He shall also perform such other duties as may be assigned him by the Board of Trustees.

Article X.

Of the general Manager.

The general Manager shall have general control and management of the business of the Company and shall devote his entire time thereto. He shall perform the duties usually incident to his position and such other duties as may be assigned him by the Board of Trustees.

Article XI.

Other officers:

The Trustees shall appoint such other officers, employees and agents as they shall deem best, and shall fix the salaries of all of the officers of the Company.

Article XII.

Debts, and their contraction:

No debt or liability beyond the necessary legitimate business and current expenses of the Company shall be contracted by any officer thereof; and no note or notes shall be given for any purpose without a resolution and authority of the Board of Trustees.

Article XIII.

Stock and the transfer thereof:

Section 1. Each stockholder in the Company shall have a certificate of stock signed by the President and Secretary and stamped with the Corporate seal, stating the number of shares owned by said stockholder.

Section 2. Such stock shall be transferable on the books of the Company by the holder thereof in person, or by power of attorney and upon surrender of the certificate so transferred.

Article XIV.

Dividends:

Dividends of the net profits in hand, shall be declared and paid as often and at such times as the Trustees may elect.

Article XV.

Seal:

A suitable seal shall be provided and the affixing of the seal to contracts and instruments, together with the signatures of the President and Treasurer shall bind the Company.

Article XVI.

The foregoing By Laws may be altered, amended or added to at any meeting of the Trustees by a majority vote.

This Agreement made this day of 1884 between Charles Batchelor, party of the first part, and John W. Wessie, Trustee, party of the second part,

~~Witnesseth~~

Whereas there was heretofore issued to the party of the first part shares of the Capital Stock of the Eastern Shopting Manufacturing Company, represented in a certain Certificate of Stock of said company dated the 20th day of August 1884, and

Whereas the party of the first part by a certain assignment endorsed on the back of each Certificate did assign the same to the party of the second part, and

Whereas the said Certificate has been surrendered and cancelled and the stock transferred on the books of the company and a new certificate issued to the party of the second part in lieu thereof, each Certificate being sold the

28th day of August, 1884, and being
remembered and
Whereas The stockholders of said
Company have deemed it for their
interest, and for the interest of the
Company, that no stock should
be sold by them or either of them
for three years from the date
hereof, and to that end have
transferred the ownership of the full
part has transferred his said
stock to the said party of
the second part. To be held by him
in trust for the following ^{term} ~~term~~ and
conditions

Now these Presents Witnesseth

First, the party of the second part
hereby agrees to transfer and assign
~~to the said party of the first part~~ ^{part} ~~three~~
~~years from the date hereof~~ the
aforesaid stock to the said
stock for three years from the
date hereof and during such
time to pay over and deliver to
^{the party of the first part} ~~him~~ all dividends declared
^{thereon} ~~upon~~ ~~such~~ ~~stock~~, and further
to give to him his proxy to vote
upon such stock at all meetings

Let it be the Stockholder of the
said Company.

Second. That up on the expiration
of the said time 3 years the said
party of the second part well
transfer and assign to the
said party of the first part
the capital stock, and do
cash and every act necessary
to cause the transfer thereof
on the books of the said company.

It being expressly understood that
all equitable ownership interest in
said stock remains in the said party
of the first part, the legal
title alone having been transferred
to the said John Bruce Trustee.

Third And the said John Bruce
Trustee does hereby constitute and
appoint the said party of the
first part his true and lawful
attorney and empower him at any time after
allowing for him and in his
name to transfer and assign
into himself the above
stock on the books of the ^{said} Company
hereby ratifying and confirming
all that he may do in the premises.

In Witness Whereof The parties
hereto have set their hands and

and as such

may be
made

reads the day and year first above
written.

State of New York

City and County of New York

On this 18th day of 1884

Before me personally appeared
~~Charles Bateheller~~
~~Thomas Bateheller~~ and John Krueser
to me known and known to me
That the persons described in and
who executed the foregoing
instrument and the validity
acknowledged that they
executed the same for the pur-
poses therein mentioned.

Charles Bateheller

and

Mary M. Linn

Agreement

30/11/84

E. L. Shefferson Mfg. Co.
Edison
1884

Make three additional
copies inserting the
name of Thomas A.
Edison where the
name of Charles Baker
now appears -

7

Thomas A. Edison.

to

John Kraesi, Trustee.

ASSIGNMENT.

This Assignment made this day of 1884
between Thomas A. Edison, party of the first part, and John
Kruesi, Trustee, party of the second part,

WHEREAS the party of the first part is the owner
of shares of the Capital Stock of the Edison Shaft-
ing Manufacturing Company, represented in a certain certifi-
cate of Stock, dated the day of 1884, which
certificate has been delivered to the said party of the se-
cond part, and

WHEREAS the stock-holders of said Company have
deemed it for their interest and for the interest of the
said Company that no stock should be sold by them or any of
them for three years from the date hereof.

NOW THESE PRESENTS WITNESSETH:

That the party of the first part for and in consid-
eration of the sum of one dollar to him paid by the party of
the second part, the receipt whereof is hereby acknowledged,
has assigned, transferred and set over, and by these pre-
sents, does assign, transfer and set over unto the said
party of the second part his successors and assigns, the
aforesaid stock of the said Edison Shafting Manufacturing
Company, and does hereby constitute and appoint the said
party of the second part, his true and lawful attorney for
him and in his name, place and stead, to transfer and as-
sign the said stock on the books of said Company, hereby
ratifying and confirming all that his said Attorney may do
in the premises.

This Assignment is however upon the following trusts
and conditions:

(3)

First:- That upon the expiration of three years from the date hereof the said Party of the second part shall reassign the said stock to the party of the first part, and it shall become and be his property discharged of all trusts whatsoever.

Second:- That all dividends declared upon said stock shall be paid over and delivered to the said party of the first part or shall be disposed of as he may direct, and the said Trustee shall, so long as he may possess said stock, give to the party of the first part, his proxy to vote thereon at all meetings of the stock-holders of the aforesaid Company.

It being the intention hereof to convey and assign to the said Trustee, merely the legal title to said stock, all equitable ownership and interest to remain and continue in the said party of the first part.

IN WITNESS WHEREOF the party of the first part has set his hand and seal and the party of the second part his hand and seal, evidencing thereby his acceptance of the aforesaid trusts the day and year first above written.

State of New York :
 :ss
City and County of New York;

On this day of 1884, before me personally appeared Thomas A. Edison and John Kruesi, to me known and known to me to be the persons described in and who executed the foregoing instrument and they severally acknow-

ledged that they executed the same for the purposes therein mentioned.

Charles Batchelor

to

John Kruesi, Trustee.

ASSIGNMENT.

This Assignment made this day of 1884
between Charles Batchelor, party of the first part, and John
Kruesi, Trustee, party of the second part,

WHEREAS the party of the first part is the owner
of shares of the Capital Stock of the Edison Shafting
Manufacturing Company, represented in a certain certificate
of stock dated the day of 1884, which
certificate has been delivered to the said party of the sec-
ond part, and

WHEREAS the stock-holders of said Company have
deemed it for their interest and for the interest of the
said Company that no stock should be sold by them or any of
them for three years from the date hereof.

NOW THESE PRESENTS WITNESSETH:

That the party of the first part for and in consid-
eration of the sum of one dollar to him paid by the party of
the second part, the receipt whereof is hereby acknowledged
has assigned, transfered and set over, and by these pre-
sents, does assign, transfer, and set over unto the said
party of the second part, his successors and assigns, the
aforesaid stock of the said Edison Shafting Manufacturing
Company, and does hereby constitute and appoint the said
party of the second part his true and lawful Attorney for
him and in his name, place and stead, to transfer and as-
sign the said stock on the books of said Company, hereby
ratifying and confirming all that his said Attorney may do
in the premises.

This Assignment is however upon the following trusts

and conditions:

First :- That upon the expiration of three years from the date hereof, the said party of the second part shall reassign the said stock to the party of the first part, and it shall become and be his property discharged of all trusts wharsoever.

Second:- That all dividends declared upon said stock shall be paid over and delivered to the said party of the first part or shall be disposed of as he may direct, and the said Trustee shall, so long as he may possess said stock, give to the party of the first part his proxy to vote thereon at all meetings of the stock-holders of the aforesaid Company.

It being the intentions hereof to convey and assign to the said Trustee, merely the legal title to said stock, all equitable ownership and interest, to remain and continue in the said party of the first part.

IN WITNESS WHEREOF the party of the first part has set his hand and seal and the party of the second part his hand and seal, evidencing thereby his acceptance of the aforesaid trusts, the day and year first above written.

State of New York :
 :ss
City and County of New York:

On this day of 1884, before me personally
appeared Charles Batchelor and John Kruesi, to me known and
known to me to be the persons described in and who executed
the foregoing instrument and they severally acknowledged
that they executed the same for the purposes therein men-
tioned.

Harry M. Livor

— to —

John Kruesi, Trustee

ASSIGNMENT.

This Assignment, made this day of 1884,
between Harry M. Livor, of the City and State of New York,
party of the first part, and John Kruesi, Trustee, of the
City of Brooklyn, and State of New York, party of the second
part.

WHEREAS the party of the first part is the owner
of shares of the Capital Stock of the Edison Shaft-
ing Manufacturing Company, represented in a certain certi-
ficate of stock, dated the day of 1884, and
numbered , which certificate has been this day deliv-
ered to the said party of the second part.

NOW THIS INDENTURE WITNESSETH:

That the party of the first part, for and in consid-
eration of the sum of one dollar, to him in hand paid, the
receipt whereof is hereby acknowledged, has transferred, as-
signed and set over, and by these presents does transfer,
assign and set over, unto the said party of the second part,
his successors and assigns, the aforesaid stock of the said
Edison Shafting Manufacturing Company, and does hereby con-
stitute and appoint the said party of the second part, his
true and lawful attorney, for him and in his name and stead
to transfer and assign the said stock on the books of said
Company, hereby ratifying and confirming all that his said
Attorney may do in the premises.

This Assignment is however upon the following
trusts and conditions:

First:- In case the said Party of the first part
shall remain and continue in the employ of the said Company
as its general manager, and faithfully performs all the

duties of his position, and ~~as~~ such as may be assigned him by the Board of Trustees, of the said Company, for the term of three years, from the date hereof, the said party of the second part, shall reassign the said stock to the said party of the first part, and it shall become and be his property discharged of all trusts whatsoever.

Second:- In case the said party of the first part should die within three years from the date hereof, being at the time of his decease, in the employ of the said Company, then and in that case, the said party of the second part, shall assign the said stock to his personal representatives.


Third:- If at any time before the expiration of the said three years, the party of the first part, should leave the employ of, or cease to be connected with the said Company, or should violate a certain agreement made between him and it dated the day of 1884, or should be, or become insolvent, which fact shall be evidenced by the entry of a judgment against him, or by his making an assignment for the benefit of creditors, in either of which cases, the said party of the second part, shall assign, transfer and set over unto Thomas A. Edison and Charles Batchelor, the aforesaid stock, in the proportions following that is to say, to Thomas A. Edison, shares, to Charles Batchelor shares, and they shall become the owners thereof respectively discharged of all trusts whatsoever.

Fourth:- In case of the dissolution of the said Company within the said three years, the party of the first

part being at the time thereof in its employ, and said stock being still in the possession of the said Trustee and no assignment thereof having been made by virtue of any of the provisions hereof, all assets coming to said Trustee by reason of his possession of the aforesaid stock shall be paid over and delivered by him to the said party of the first part.

Fifth:- So long as the said stock shall be held by the said Trustee, and until the assignment thereof by reason of any of the foregoing provisions, all dividends declared on said stock shall be paid by him to the party of the first part or disposed of as he may direct and the said Trustee shall until any assignment to be made as aforesaid give to the said party of the first part his proxy to vote thereon at all meetings of the stock-holders of the said Company.

IN WITNESS WHEREOF the party of the first part has set his hand and seal, and the party of the second part, his hand and seal evidencing thereby his acceptance of the aforesaid trusts and conditions the day and year first above written.



State of New York :
:ss
City and County of New York:

On this day of 1884, before me personally
appeared Harry M. Livor and John Kruesi, to me known and
known to me to be the persons described in and who executed
the foregoing instrument and they severally acknowledged
that they executed the same for the purposes therein men-
tioned.

1884. Electric Light - Electric Tube Company (D-84-033)

This folder contains correspondence and other documents relating to the business of the Electric Tube Company in New York City, which manufactured underground conductors for the Edison electric light system. In April 1884 the company moved to Brooklyn, New York. Much of the correspondence is by John Kruesi, treasurer of the company.

Approximately 80 percent of the documents have been filmed. The following categories of documents have not been filmed: routine correspondence relating to accounts, estimates, and orders; duplicate copies of selected documents.

NEW YORK, JANUARY 2ND, 84.

Accounts receivable.....	\$22393.24.	Accounts payable.\$	8866.89
Cash on hand.....	864.01.	Capital.....	25000.00.
Tools and Appliances.....	6814.87.		
Furniture & Fixtures.....	500.00.		
Patterns.....	2505.44.		
Finished Stock.....	17417.47.		
Raw Material.....	<u>7541.94.</u>		
	\$58036.97.		\$33866.89.

For accounts receivable see Schedule "A".

For Tools and Appliances, Furniture and Fixtures, Patterns,
 Finished and Raw Material, see Schedule "B".

SCHEDULE "A".

ACCOUNTS RECEIVABLE.

The Edison Electric Light Co.....	\$ 643.28.	
The Edison Electric Ill' Co. New York.....	3611.99.	
The Edison Co. for Isolated Lighting.....	429.85.	
F. E. Kinsman & Co.....	4.40.	
The Edison Electric Ill' Co Lawrence.....	50.75.	
The Edison Electric Ill' Co. Brockton.....	121.38.	
E. T. Greenfield.....	45.43.	
The Edison Electric Ill' Co. Fall River....	471.48.	
The Edison Lamp Co.....	389.43.	
Western Electric Company.....	188.54.	
Burr & Houston.....	7.12.	
The Electrical Supply Co.....	47.08.	
Morris, Tasker & Co. Limited.....	91.22.	
Foreign Orders Milan.....	641.60.	
Paris.....	560.10.	
Fall River Co's Installation.....	790.03.	
Newburg Co's Installation.....	<u>14329.50.</u>	\$22393.24.

SCHEDULE "B".

TOOLS & APPLIANCES.

All tools and appliances that have come out of use, through changes of systems are not included in the assets.

On all good and useful tools and appliances a depreciation of ten percent has been deducted.

FURNITURE & FIXTURES.

Furniture and fixtures are taken at a third of cost price.

PATTERNS.

We have only taken those patterns in use at present. The others amounting to \$5030.62. came out of use through changes in the system.

FINISHED & RAW MATERIAL.

Both finished and raw material on hand are taken at cost price.

Send to *Col. of Munnia* -
The Electric Tube Company,
65 Washington St.

1884-01-11

T. A. EDISON, Pres.
JOHN KRUELI, Treas.
SAMUEL INGLIS, Secy.

New York,

January 11th 1884.
Thomas A. Edison
Esq.

Dear Sir, We have measured
the resistance of 12 2 1/2 feet of the
#44 copper which was used for
feeder #44 at Sad River.
The theoretical resistance of that length
would be according to the table .03071174
ohms. The actual, including four joints, meas-
ured .0306475 ohms; the diameter is
exactly correct.

From the above I conclude that there
was some bad contact when the
drop was found to be so enormous.

In future we will measure the
actual resistance of the whole
system before leaving a place

Truly yours.

THE ELECTRIC TUBE CO.

John Kruehli TREASURER.

1884-01-14

The Electric Tube Company,
65 Washington Street,

T. A. EDISON, Pres.
JOHN KILGUS, Treas.
SAMUEL INSULL, Sec'y.

New York,

1884

St. John's Co.
Dear Sir:

Herewith find
our revised price list. The
discount on all material
not laid is 4.8%. For
all material laid it varies
from 4.5 to 4.8% according
to circumstances

Very yours

John Kilgus
Treas.

1884-01-16

The Electric Tube Company,
65 Washington Street,

T. A. EDISON, Pres.
JOHN KIRKES, Treas.
SAMUEL INSULL, Secy.

New York,

January 16th 1884.

J. A. Edison, Patent Department
65 Fifth Avenue, New York

Our safety catches
do never vary they are
2 inches from center to center
of holes & 3 1/2 inches extreme
length. I think the holders
are not placed as usual.
Enclosed is a sample cable.

Yours truly

T. A. Edison

John A. Edison

1874 01-18

The Electric Tube Company,
65 Washington Street,

T. A. EDISON, Pres.
JOHN KRUES, Treas.
SAMUEL INSULL, Secy.

New York,

1884

John F. Randolph Esq
Custom Court Bldg

Dear Sir

The balance
January 1st 1884 is, as
stated in yours of
yesterday \$ 150.89 53/100
in this favor.

Yours truly
THE ELECTRIC TUBE CO.
J. A. Edison

1884 of 31

The Electric Tube Company,

65 Washington Street,

T. A. EDISON, Pres.
JOHN KRUESI, Treas.
SAMUEL INSULL, Secy.

New York,

1884

W. Jan 31st 1884
Thomas A. Edison Const. Eng.
Gentlemen,

I reply to
your favor of the 30th inst.
We did not see all the
first 66 cards so because since
we received the order, several
changes have been made
in the way of bringing the
tubs into the station & this
of course affects the first 66 cards
The tools & appliances are,
with the exception of a
few small things, all there.
The reason we did not
furnish the few small things
is that there is no one there
to receive them. As soon
as the weather permits, we

1884 01 - 31

The Electric Tube Company,
65 Washington Street,

T. A. EDISON, Pres.
JOHN HINES, Treas.
SAMUEL INSALL, Sec'y.

New York, _____ 188

men will go up there
& complete the service
then turn over everything
yet due the Westinghouse Co.,
on your order. & as soon
as the station has advanced
to such a state of completion
as to require the flexible
cables, we will have them
on hand

Yours truly
J. H. Hines

THE ELECTRIC TUBE CO.

J. H. Hines

The Electric Tube Company,

65 Washington Street,

T. A. EDISON, Pres.
JOHN KILGUS, Treas.
SAMUEL INSULL, Sec'y.

New York,

Sept 4th 1884

Samuel Insull Esq

Dear Sir,

We cannot
give you an answer
about the #4 tubes until
tomorrow morning as
we have not got the coffee
on hand & had to
telegraph to America
to find out how soon
they could furnish it.

Yours truly

THE ELECTRIC TUBE CO.

J. A. Edison

The Electric Tube Company,

65 Washington Street,

T. A. EDISON, Pres.
JOHN KRUESI, Treas.
SAMUEL INSULL, Sec'y.

New York,

July 6th 1884

Thomas A. Edison Esq. N.Y.

Gentlemen, I have taken note
of the report of Mr. Roundell
regarding cross of frequencies.
I will write to Mr. Roundell
for further information &
suggest to him what I
think is proper to do.

Very truly yours

John Kruesi
Per

P.S. Return him with Roundell's
letter.

The Electric Tube Company,
65 Washington St.

T. A. EDISON, Pres.
JOHN KRUSE, Treas.
SAMUEL INSULL, Secy.

New York,

Feb 6th 1884

Samuel Insull Esq

Dear Sir, We can ship the 100 # #,
two condensor tubes, on the direct Genoa
steamer, "Cincenzo Florio" leaving New
York March 1st 1884. Please I have
Colombo state in the order whether he
wants the tubes only, or all material i.e.
joints, boxes & compound.

The reason it took so long to get this
answer was because we had to wait
all this time for a reply from the Ansonia.

Yours truly

John Kruse

The Electric Tube Company,

65 Washington Street,

T. A. EDISON, Pres.
JOHN KRUES, Treas.
SAMUEL INSULL, Sec'y.

New York,

July 11th 1884

Office of The Edison Mach Works
155 Fifth Avenue

Sir,
Please instruct
your works to keep
the time on the iron
punchion bar + the
time on the brass joints
strictly separate.
Yours truly

THE ELECTRIC TUBE CO.

James

The Electric Tube Company,
65 Washington St.

(1884-03)

T. A. EDISON, Pres.
JOHN KRUESI, Treas.
SAMUEL INSULL, Sec'y.

New York, 188

Statements in answer to letter dated Feb. 24/85 from S. B. Eaton

#1

The present capital of the Electric Tube Co. is \$25,000.-; Total amount employed \$50,000.-; \$10,000. are invested in Tools & Appliances in use at present; \$35,000. in raw and finished stock.

#2

Total amount of business done since commencement:

	\$369,094.34
During the year 1883	102,853.47
" January 1884	1,060.84
Goods now shipped outside of	
North & South America to the Ant. of.	72,988.23

#3

We have, on a small scale, made and laid cables for telegraphs & telephone use, the Ant. being included above.

#4

Chair

#5

\$100,000. own & above the Ant. employed out.

THE ELECTRIC TUBE CO.

TREASURER.

(1884-03)

The Electric Tube Company,
65 Washington St.

T. A. EDISON, Pres.
JOHN KRUESI, Treas.
SAMUEL HEDGECOCK, Secy.

New York, _____ 188

Additional enclosure to letter of Sep. 25th

1

*Our patents have been taken out by
J. Kruesi, Treas. and assigned to the Electric Tube Co.
The subjects of these are Junction Boxes and joints
Tools on processes and devices in the manufacture
of underground and other Electric Conductors.
Tools are applied for.*

2.

*We have leased one patent on machinery
for manufacturing lead covered wire, but,
as yet, have not brought any wire in the
market.*

3.

*We have not invested enough
money in plant, but through changes in
system, out of our control, a large amount
of tools & appliances fall out of use.*

THE ELECTRIC TUBE CO.

J. Kruesi TREASURER.

The Electric Tube Company,

65 Washington Street,

T. A. EDISON, Pres.
JOHN KIMBLE, Treas.
SAMUEL INGRAM, Secy.

New York,

March 13th 1884

S. Insull Esq.

Dear Sir:

We have to test a lot of
safety catches of new design.
(Our Edison ordered Mr. Ingersoll
to have them made.) Will
you please order The Edison
Machine work to run
for about 2 hrs. one of the
large Dynamos or if
sufficient number of small
machines are at hand it
will do as well we want about
600 Amperes = about 800 lbs.
Please give us this opportunity
as soon as possible.

Yr. oblige yours truly

T.A.E.

S. Krueger

The Electric Tube Company,

65 Washington St.

T. A. EDISON, Pres.
JOHN KRUESI, Treas.
SAMUEL INSULL, Secy.

New York, March 20th 1884

S. Insull Esq.

Dear Sir:

I find that the mistake in
the estimate for Portland (determination F.)
was made in multiplying only half the
length of feeders #1. with the price per foot.
I would suggest to allow only 38%
discount on the addition or extension
of the district, which would benefit us
by \$1130.56; and therewith save us from
a dead loss on the job. The balance
\$959.84 would certainly be hard enough
punishment for doing such estimating
in a hurry & waste.

Should you be able to do even better
it will be highly appreciated

Yours truly
J Kruesi

Guimaire's figures are right only
tell him to change discount and
to give us a copy of estimate K.

The Electric Tube Company,
65 Washington Street,

T. A. EDISON, Pres.
JOHN KRUESI, Treas.
SAMUEL INSULL, Sec'y.

New York, March 26th 1884

S. Insull Esq.

My Dear Sir.

I am sadly in need
of money please
provide for me
Saturday.

Pls. sign & return
checks as soon as
possible & oblige yours

truly

J. Kruesi

April 7th, 1894

copy

Estimated cost per foot of all material connected in place for underground telegraph cables cased with iron pipe. Laid in 20 ft. lengths. Cost of excavation and paving not included.

No. 14 copper wire (Brown and Sharpe gauge)

Resistance per mile 13.2722 ohms.

Cable of 7 wires	\$0.29 per foot
" " 19 "	..60 " "
" " 31 "	.73 " "
" " 55 "	1.16 " "
" " 94 "	1.85 " "

No. 12 copper wires (Brown & Sharpe gauge)

Resistance per mile 8.3472 ohms.

Cable of 7 wires	0.29 per foot
" " 13 "	.47 " "
" " 31 "	.87 " "
" " 38 "	1.10 " "
" " 63 "	1.59 " "
" " 73 "	1.80 " "

N.Y. April 22/14

Dear Sir,

On & after the 28th
next, our address will be 18 to 24
Bridge St., Brooklyn.
Telephone 9th 395 Brooklyn

THE ELECTRIC TUBE CO.

The Electric Tube Company,

65 Washington St.

T. A. EDISON, Pres.
JOHN KRUESI, Treas.
SAMUEL INSULL, Secy.

New York, May 2 1884

Estimated Cost of Underground Feeders and
Mains for the District of Covington Ky. as
shown by red lettered lines on map marked
"The Electric Tube Co. - May 2 - 84". Sizes
of tubes according to determination marked
"A - 1st May 1884"

Mains

1-A	* 48 In.	\$ 731.34
1-B	67 "	1358.50
1-C-C,	133 "	2075.48
1-D	115 "	1734.70
1-E	27 "	262.40
1-F-G	250 "	2092.08
F-H	250 "	<u>2771.04</u>

\$ 11025.64

Feeder * 300 In.

4162.40

\$ 15188.04

Discount 46% (3 mos)

6986.04

\$ 8202.00

Junction Box at 1

150.00

Excavation and Paving

1600.00

\$ 9952.00

Freight \$5000 U.S.

THE ELECTRIC TUBE CO.

John Kruesi. TREASURER.

The Electric Tube Company.

18 to 24 Bridge St.

T. A. EDISON, Pres.
JOHN KRUESI, Treas.
SAMUEL INSBALL, Secy.

Brooklyn, N. Y.,

June 3 1884

Thomas A. Edison Esq.
65-5th ave.
N.Y.

Dear Sir,

Your order # 225
for Tubes to be shipped to Milan
has been received. We shall
do our utmost to have the articles
ready at an early date, but, as
we are under the necessity of
ordering some of the stuff, there may
possibly be a little delay.

Respectfully

THE ELECTRIC TUBE CO.

John Kruesi

Witnessed

The Electric Tube Company.

T. A. EDISON, Pres.
JOHN KIRKES, Treas.
SAMUEL INSULL, Secy.

18 to 24 Bridge St.

Brooklyn, N. Y.,

June 4th 1884

Refd to Mr. J. M. J. M.
Thomas W. Edison Esq.

Chas. Dep. 65-5th Ave.
N.Y.

Dear Sir,

Your favor of the 2nd Inst. enclosing Mr. Garrison's letter has been duly received and contents noted. We think it fair and, at the same time, to our interest to make good any damage caused by negligence on our part and we are perfectly willing to do so, providing we feel satisfied that the claims are just. We cannot, however, conceive how these faults can be traced to us, as the material is exactly the same as that in use at Corvener & the work was done by the same men at both places & at about the same time; from the latter place we have not received a word of complaint & they seem thoroughly satisfied with the work we did there & the material we delivered.

We enclose Mr. Garrison's letter herewith & have only to add that we will stand by what you have written him in relation to defective tubes & expenses.

Respectfully

John A. Russell

The Electric Tube Company.

18 to 24 Bridge St.

T. A. EDISON, Pres.
JOHN KRUESI, Treas.
SAMUEL DISOLLI, Sec'y.

Brooklyn, N. Y.

June 24 1884

Thomas A. Edison Esq.
65-5th Ave.

N.Y.

Dear Sir.

Enclosed please find papers from John Robertson & Co. in relation to their process for pressing carbon points. Before acquainting them of what I was desirous of knowing, I asked them what pressure was used by other parties in making carbon. I was told that a pressure of $2\frac{1}{2}$ tons per square inch was generally used.

The process named in the enclosed specification will stand double pressure, as you will see from their letter to me.

Respectfully
John Kruesi

The Electric Tube Company.

18 to 24 Bridge St.

T. A. EDISON, Pres.
JOHN KRUESI, Treas.
SAMUEL INSULL, Secy.

Brooklyn, N. Y.

June 26th 1884

S. Insull Esq.

My dear Sir:

We are completely out
of money and need
for Saturday at least
~~\$ 200.00~~ please do
all you can to let me
have that and oblige
yours truly
J. Kruesi

THOMAS A. EDISON,
No. 65 FIFTH AVENUE.

NEW YORK, June 28, 1884

Mr. Edison

The cable is all ready for
shipment on two reels
could not get it lead ~~away~~
because Robertson said it
would disturb his shop too
much as that little Press
could not pass it through in
less than 100 hours.

The insulation between wires
is about 600,000 ohms per mile
Total length of Cable $4\frac{1}{4}$ mile
resistance of # 12 wire - 34.59 ohms
" " " 14 " 55.10 "
" " " 18 " 140.52 "
American Gage.

I will see you Monday morning
to get instruction

Yours truly
J. Kruidi

[MISDATED. CORRECT DATE IS JUNE 30, 1884]

The Electric Tube Company.

18 to 24 Bridge St.

T. A. EDISON, Pres.
JOHN KUNESL, Treas.
SAMUEL INSULL, Secy.

Brooklyn, N. Y.,

June 30th 1883

Mr. Insull

Dear Sir

Please let Mr. Berggren
have \$150. as I find
that we can get along
with that untill Saturday
when I hope that you
can give us more

Please be your
best & oblige
yours truly
J. Kunesl

The Electric Tube Company.

18 to 24 Bridge St.

T. A. EDISON, Pres.
JOHN KRUESI, Treas.
SAMUEL INSALL, Secy.

Brooklyn, N. Y.,

July 5th 1884

Thomas A. Edison, Chas. Dep.

65-5th Ave.

N. Y.

Dear Sir,

I hereby beg to notify you that we withdraw all our estimates furnished up to date. A large number of them have been pending for the last 6 months, and as prices have changed since then and the conditions upon which they were based have proved impracticable, the profits to be derived amount to little or nothing.

Mrs Respectfully

THE ELECTRIC TUBE CO.

John Kruesi, TREASURER.

✓ T. A. EDISON, Pres.
JOHN KRUESS, Treas.
SAMUEL INSULL, Sec'y.

The Electric Tube Company.

18 to 24 Bridge St.

Brooklyn, N. Y.,

July 11 1884

Wm. C. Edison Esq.

Ans. Dep.

65-5th Ave.
N.Y.

Dear Sir,

✓ You have received the enclosure containing 6
I have been received & we herewith return 3 of them.

The bill amounting to \$34⁰⁰ should be charged to
The Edison Electric Co. R., as the work was not done
by order of our Mr. Krueess, it was merely suggested by
him to Mr. Rich, it being, furthermore, distinctly stipu-
lated in our contract with the Illuminating Co. that we
were to do no boxing.

✓ We return your bill of
\$25.91 as the wire charged therein was sent back to
Mr. Edison's laboratory on the 20th ult. The relation to
your claim of \$6⁰⁰ for an automatic torch we can
only say what we have mentioned before, i.e. that
we can find no reason whatever for being charged
with this item; the only thing relative to this matter
that we can ascertain being, that we recommended
Mr. Conant with a new torch in exchange for one
that was damaged.

Yours Respectfully

THE ELECTRIC TUBE CO.

John Krueess

THE EDISON ELECTRIC LIGHT CO.,
65 FIFTH AVENUE,

New York,

July 29th 1884.

The Electric Tube Co.

Brooklyn, N.Y.

Gentlemen:

Will you kindly send me a list
of all your stockholders and the number of
shares held by each, so that I can have the
same printed as an Exhibit to the Contract
to be made between the Light Co. and yourselves.

Yours very truly,

J. P. Morgan
President.

J. P. Morgan 50
J. H. Wright 49
Anthony Thomas 1
J. Ensell 1
~~J. R. Campbell 1~~

The Electric Tube Company.

18 to 24 Bridge St.

T. A. EDISON, Pres.
JOHN KRUESI, Treas.
SAMUEL WISSELL, Sec'y.

Brooklyn, N. Y.,

Aug. 18, 1884

Sam. Wisnell Esq.
104 General St.
N.Y.

Dear Sir:

We send you here -
with 4 samples of tubes. These
are the best we have, the time
being too short to enable us to
make up a better set of samples.

Please give them a copy of the
Tube Co's contract and also let us
know what is wanted for index
of articles manufactured by us
for contract.

Yours Respectfully

THE ELECTRIC TUBE CO.

John Kruesi TREASURER

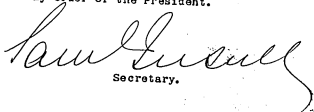
65 Fifth Avenue,
New York, August 22nd. 1884.

Samuel Insull, Esq.

A special meeting of the stockholders of the Electric
Tube Co. will be held at the office of Messrs. Bergmann & Co.,
292 Avenue B, on Monday, the 25th. inst., at two P.M.

This meeting is for the purpose of considering a certain
agreement proposed to be made between the Edison Electric Light
Co. and the Electric Tube Co.

By order of the President.


Secretary.

New York, August 22nd. 1884.

Thomas A. Edison, Esq.

City.

Dear Sir:-

Referring to the notice of meeting of the stockholders of the Electric Tube Co. sent you this day, I shall be glad if you will sign and return to me the enclosed memorandum.

The reason for calling a meeting so hurriedly is that it is necessary that the contract proposed to be made between this Company and the Edison Electric Light Co. must be considered prior to the meeting of the stockholders of the latter Company, which takes place on the 26th. inst.

Very truly yours,

Samuel Insull
Secretary

[ATTACHMENT]

New York, August 1884.

Mr. Samuel Insull, Secty.

65 Fifth Avenue, City.

Dear Sir:-

I hereby waive the service of notice required by the By-Laws, so far as the special meeting of the stockholders of the Electric Tube Co., to be held on Monday, the 25th. August, is concerned.

Yours truly,

John D. Brown

The Electric Tube Company.

18 to 24 Bridge St.

T. A. EDISON, Pres.
JOHN KILGUS, Treas.
SAMUEL INSULL, Sec'y.

Brooklyn, N. Y.,

Aug. 26 1884

Thomas A. Edison Esq.
N. Y.

Dear Sir:

*Enclosed please find
our revised price list. We will
not be able to send you any in
their proper form before the
end of this week.*

Yours Respectfully

THE ELECTRIC TUBE CO.

for Chas. Dwyer

Brooklyn Sept. 15 to 74

My dear Lucull

I am going to Phila tonight
for 3 possibly 4 days but will
be back some time on
Friday.

The Tube Co is completely
out of funds

Please arrange that we
can get at least \$5000
from Mr. Colman to meet
the P.R.R. Saturday

Yr affecg friend

John W. Jones

Plans and specifications furnished upon application.
and papers laid and examined.

THOMAS A. EDISON,
President.

JOHN KRUESI,
Treasurer.

SAMUEL INSULL,
Secretary.

The Electric Tube Co.

18 to 24 BRIDGE STREET, BROOKLYN, N. Y.

Iron and Lead Cased
Conductors, TRADE
Insulating Compound,
Etc., Etc.



Rigid and Flexible
MARK. Conductors,
Insulating Tape,
Etc., Etc.

MANUFACTURERS OF AND CONTRACTORS FOR

Underground Electrical Conductors

FOR

Arc and Incandescent Electric Lighting,
Telegraphic, Telephonic and
other Purposes.

Conductors for Electric Lighting of sufficient area for any required
current strength, insulated to convey currents
under 5000 volts pressure.

Telegraph lines and Telephone mains containing from 7 to 400 wires.

This Company has laid tubes containing nearly one hundred miles of conductors
varying from .16 ins. to 1.6 ins. diameter and from .02 square ins. to a square ins. area
for the various Edison Companies in New York City; Newburg, N. Y.; Lawrence,
Brockton and Fall River, Mass.; Paris, France; Milan, Italy; Vienna, Prague and
Bratislava, Austria; Berlin, Germany; Amsterdam and Rotterdam, Holland; Santiago, Chili,
and other places in South America; also places in England, Australia and Cuba.

Plans and Estimates furnished upon application. Conductors for
any purpose laid and guaranteed.

The Electric Tube Company.

18 to 24 Bridge St.

T. A. EDISON, Pres.
JOHN H. ROSEN, Treas.
SAMUEL INSULL, Secy.

Brooklyn, N. Y., Sept 17 1884

Price List for Telephone Tubes.

Prices are for all material laid, exclusive of
the cost of excavation and paving.

No. of Wires	All Material Laid. Per foot	No. of Wires	All Material laid Per Foot
367 ¹⁷ ₁₁₉	\$ 8.35	169	\$ 4.51
355	8.20	163	4.44
343	8.05	151	3.71
331	7.90	139	3.56
319	7.75	127	3.41
307	7.48	115	3.08
295 ¹¹⁰	7.32	103 ¹²⁴	2.93
283	7.17	91 ¹²⁷	2.78
271	7.04	85 ²⁵	2.54
265	6.94	73 ²⁵	2.39
253	6.00	61	1.92
241	5.85	49 ¹³⁶	1.70
229	5.70	37	1.39
217	5.56	31	1.32
205 ¹¹⁴	5.39	19	1.04
193	4.81	7 ¹³⁰	.76
181	4.66		

The Electric Tube Company,

18 to 24 Bridge St.

T. A. EDISON, Pres.
JOHN KRUESI, Treas.
SAMUEL INSULL, Sec'y.

Brooklyn, N. Y.,

Apr. 10 1884

Mr. Charles F. Smith
65-5th Ave.
N.Y.

Dear Sir:

I enclose find
an check of \$ 50 (Fifty dollars)
in payment of your salary for
October 1884 —

Yours Respectfully

THE ELECTRIC TUBE CO.

Charles F. Smith

The Electric Tube Company.

18 to 24 Bridge St.

T. A. EDISON, Pres.
JOHN KRUESI, Treas.
SAMUEL INSULL, Secy.

Brooklyn, N. Y.,

Dec. 10 1884

Sam'l Insull Esq.

65 5th Ave.

N.Y.

Dear Sir,

We received a check
of \$600. from Fall River to-day, but
are, nevertheless, greatly in need
of funds. You would, therefore,
do us a favor by endeavoring
to procure whatever money you
can from the I. & O. C. or the E. & C.
before the end of this week.

Yours Respectfully

ELECTRIC TUBE CO.

John Kruesi TREASURER.

The Electric Tube Company.

18 to 24 Bridge St.

T. A. EDISON, Pres.
JOHN KRUESI, Treas.
SAMUEL HEDGELL, Secy.

Brooklyn, N. Y.

Dec. 16 188*4*

Thomas A. Edison
65-5th Ave.
N.Y.

Dear Sir:

Our exhibit for
Exposition will be ready for shipment
to-night, and will be forwarded
as soon as we receive directions
from the Exposed Co., to whom
we have written regarding this
matter

Yours Truly

ELECTRIC TUBE CO.

John Kruesi TREASURER

Have 1-20 ft. tube with 63 wires
to send

The Electric Tube Company.

18 to 24 Bridge St.

T. A. EDISON, Pres.
JOHN WILSON, Treas.
SAMUEL INSULL, Sec'y.

Brooklyn, N. Y.,

Dec. 29, 1884

Saml Chasell Esq
65-5th Ave. N.Y.

Dear Sir,

We are in urgent need of money
and you would do us a favor by endeavoring to
procure as much as you possibly can. We have
overdue bills, that must be paid within a very few
days, amounting to \$1968.55, beside the sums we owe
Messrs Conner & Appen Co., Holmes, Good & Hayden, National Tube Works,
H. J. Day and other heavy accounts. The Electric Co. owes
us \$1838.29 - all of which is due - if you cannot get
a large check from them, please try to obtain their note for
\$1838.29. Trusting that you will give this your immediate
attention, we are,

Sincerely Truly,
ELECTRIC TUBE CO.
John Wilson, TREASURER.

Please call me up on Telephone Standard
to arrange an appointment with you
H.

THOMAS A. EDISON,
Central Station, Construction Dept.,
No. 65 FIFTH AVENUE,

Form H.

New York, _____ 188

Mr. Justice
Dear Sir

As I have to appear
in Court tomorrow
I will not be able
to come up for
money.

The Payrolls amount
to \$ 535.⁰⁰ for which
I have nothing in the
Bank. Bergmann & Co
and whole lot 10 to 15 doll.
bills trouble me very much.
Please do all you can
for me & oblige yours
Truly I remain
will send a boy unless Judge lets me off

Electric Tube Works Contract

{ Tubes cannot be laid in winter
therefore the tube works can do no
work only in summer -

.. ~~Tube works profit 20% on ~~work~~ done~~

after 4th clause

a clause permitting the works
to sell ~~the~~ others than the Edison
Co + its licensees ^{for other purposes} they manufacture
for other purposes than ~~for~~
Electric Lighting ^{for instance} Heat & Power etc
and which may be applicable to
~~and - transfer on~~ Telephones

Telegraphs Electro Plating etc

Nº 2

A Clause defining the words
"The ^{Existence} ~~Life~~ of this Contract" -

This Contract provides that Certain
Patents are to be assigned
in perpetuity & provision is made
for a consideration to be paid
therefore during the Life of the
Patent - This Contract must ~~be~~
therefore be kept alive during
The Life of the Patents - Does
the mere withdrawal of the
Manufacturing rights herein
conveyed terminate ~~the~~ for
instance the obligation of the
Works to continue to assign
their Patents —

f

In case other mounfos are licensed in
~~substitution with works~~ or in case the
A clause providing for
Compensation to ~~author~~ works for
improvements unpatentable improvements to
which have been recognized
as such by the payment to
the works of a per centage of
the saving effected by such
improvement -

This to enter the clause providing
for ~~termining~~ for terms upon
which other mounfos are to
be licensed *

A clause in substitution of
the one defining the Territory
in which mounfy is to be done
should read - "Except insofar
as has already been conveyed"

THOMAS A. EDISON,
NO. 65 FIFTH AVENUE,

NEW YORK

188

The money ~~being~~ ^{paid} by the factories
in making experiments, & procuring patents
now to be assigned, shall not be charged
to the company or deducted from factory
profits but shall be borne & assumed
by the factories respectively.

1884. Electric Light - Foreign - General (D-84-034)

This folder contains correspondence and other documents relating to the establishment of electric lighting systems in foreign countries. Most of the documents deal with electric lighting in Latin America (excluding Chile).

Approximately 90 percent of the documents have been filmed. The following categories of documents have not been filmed: routine correspondence acknowledging receipt of letters and cables; duplicate copies of selected documents.

84 0101

Telephone No. 346.

ALL LETTERS
TO BE ADDRESSED TO
THE SECRETARY.

& SWAN UNITED
The Edison Electric Light Company, Limited.

74, Coleman Street,

London, E.C., 1st January, 1884

J. A. Edison Esq^r

66, Fifth Avenue

New York.

Dear Sir,

I find that certain correspondence has taken place with Mr Kelly of Demerara. As that country comes within the jurisdiction of the American Company I now beg to send you copy of the correspondence in question & have told Mr Kelly that I am, Dear Sir,

Yours truly,

L. Edward Page -
Secretary.

Have done so.
Wishing you the compliments of
the season.

Enclosure.

COPY

16, 10, 83.

DEMERARA BRITISH GUIANA.

THE EDISON ELECTRIC LIGHT CO.,
LONDON, ENGLAND.

GENTLEMEN,

WILL YOU PLEASE SEND ME ESTIMATE FOR AN ELECTRIC
LIGHT APPARATUS FOR LIGHTING A SUGAR HOUSE IN THIS COLONY TO CONSIST
OF ABOUT 100 INCANDESCENT LAMPS OF SAY 15 TO 20 CANDLE POWER EACH WITH
ALL NECESSARY CONDUCTORS ETC, ETC, TOGETHER WITH A DYNAMO MACHINE OF THE
REQUISITE POWER BUT WITHOUT ENGINE AS WE HAVE THE POWER ON ESTATE IN THE
FORM OF A TANGYE ENGINE CYLINDER 9" X 18" DO YOU SUPPLY THE ARC
LIGHT? IF SO PLEASE GIVE PROBABLE COST OF THREE SUCH LIGHTS OF SAY
2000 C. P. EACH WITH ALL NECESSARY LAMPS CONDUCTORS AND DYNAMO BUT WITH-
-OUT ENGINE.

YOUR EARLY REPLY WILL GREATLY OBLIGE

YOURS VERY TRULY,

SIGNED JOHN R. TILLEY

ENGINEER

DEMERARA.

THIS ENCLOSURE
AND THE VOUCHERED TO
THE ENCLOSURE

RECEIVED 10/10/83

London E.C.

11, Colman Street

The Edison Electric Light Company Limited

Telephone No. 345;

ALL LETTERS
TO BE ADDRESSED TO
THE SECRETARY.

The Edison Electric Light Company, Limited,

74, Coleman Street,

London, E.C. 4. 14TH NOVEMBER, 1883

COPY.

JOHN R. TILLEY ESQ.,
ENGINEER,
DEMERARA,
BRITISH GUIANA.

DEAR SIR,

WE BEG TO ACKNOWLEDGE THE RECEIPT OF YOUR LETTER OF 15TH
OCTOBER, FOR AN ELECTRIC LIGHTING PLANT SUCH AS YOU MENTION OUR PRICE
WOULD BE THREE HUNDRED POUNDS STERLING £300. 0. 0. NETT CASH DELIVERED
F.O.B. LONDON, THIS WOULD COMPRISE:-

ONE 150 LIGHT EDISON DYNAMO
ELECTRIC MOTIVE FORCE INDICATOR.
WIRE IN ASSORTED SIZES FOR 100 LAMPS.
SWITCHES EDISON PATENT.
CLEATS.
MOULDINGS
CUT OUTS.
80 POLISHED BRASS SOCKETS WITHOUT KEYS.
20 " " " " WITH " "
100 LAMPS OF 16 C.P. ACTUAL.
TAPE SCREWS ETC.

IN ORDERING A SUPPLY OF SPARE LAMPS SHOULD BE TAKEN, SAY 500 OR 1000,
WHICH WE WOULD INVOICE AT 3 6 EACH LESS 2 1/2 00. FIXTURES ARE NOT IN-
CLUDED IN THE ABOVE LIST; WE CAN SUPPLY THESE OF A PLAIN CHARACTER AT
7 - TO 10 - PER LIGHT. THE COST OF ELECTRICAL CABLE, WHICH WOULD BE
REQUIRED IN THE EVENT OF THE DYNAMO BEING AT SOME DISTANCE FROM THE PRE-
MISES TO BE LIGHTED, IS NOT INCLUDED IN OUR QUOTATION. WHERE POSSIBLE
IT IS ADVISABLE TO PLACE THE DYNAMO IN IMMEDIATE PROXIMITY TO THE ROOMS
TO BE LIGHTED.

THE COST OF A PLANT OF FOUR ARC LAMPS OF 2000 C.P. NOMI-
-NAL WITH DYNAMO, GLOBES FOR LAMPS, 200 YARDS INSULATED CABLE, SWITCH,
ADJUSTABLE RESISTANCE, GALVANASCOPE AND ENGINE COUNTER WOULD BE THREE
HUNDRED AND TWENTY POUNDS STERLING 1320. 0. 0. NETT CASH, DELIVERED
F.O.B. LONDON.

ABOUT ONE H.P. INDICATED WILL BE REQUIRED FOR EACH EIGHT
LAMPS OF 16 C.P. AND A SIMILAR AMOUNT FOR EACH ARC LAMP. IT IS NECESSA-
-RY THAT THE MOTIVE POWER SHOULD BE ABSOLUTELY STEADY OTHERWISE UNPLEAS-
-ING VIBRATIONS IN THE LIGHT WILL RESULT.

I AM, DEAR SIR,

YOURS TRULY,

SIGNED H. CHARLES COVER.

SECRETARY PRO TEM.

DEMERARA, DECEMBER 5TH 1888.

THE EDISON & SWAN ELECTRIC LIGHT CO.,

GENTLEMEN,

I AM IN RECEIPT OF YOUR ESTEEMED FAVOUR OF NOVEMBER 14TH, AS I UNDERSTAND IT THE PRICE IN LONDON F.O.B. OF ALL REQUISITES FOR THE INSTALLATION OF THE 150 LIGHT DYNAMO WITH 100 LAMPS, 500 SPARE LAMPS + 100 FIXTURES, AND ALL THE OTHER THINGS MENTIONED IN YOUR LIST WILL BE ABOUT £420.

YOU WILL PLEASE BEAR IN MIND THAT NOTHING OF AN ORNAMENTAL CHARACTER IS AT ALL WANTED UNLESS IT WERE WITH THE FEW LIGHTS IN DWELLING HOUSE SHOULD IT BE DETERMINED TO TAKE ANY THERE BY CABLE. THE CHEAPEST FIXTURES MADE WILL SUIT THE SUGAR FACTORY SO LONG AS THEY ARE GOOD. I WAS SURPRISED TO SEE YOU RECOMMEND SO MANY SPARE LAMPS DO THESE LAMPS OFTEN GIVE OUT?

I WOULD BE GREATLY OBLIGED FOR YOUR VIEWS AS TO WHETHER THE ARC OR INCANDESCENT LIGHT WOULD BE ON THE WHOLE THE CHEAPEST. EITHER WOULD ANSWER OUR PURPOSE ALSO AS TO WHETHER IT BE POSSIBLE OR ADVISABLE TO HAVE ONE OR MORE ARC LIGHTS AND THE REST INCANDESCENT.

I AM AWARE THE ENGINE MUST BE FIRST CLASS AND SHOULD ONE BE ORDERED, I WOULD PREFER A WESTINGHOUSE ONE MADE IN PITTSBURG PA.

YOURS VERY TRULY,

SIGNED JOHN R. TILLEY.

YOUR PRINTED INFORMATION WOULD BE THANKFULLY RECEIVED IF YOU HAVE ANY SUCH. J. R. T.

HAVE JUST RECEIVED YOUR TWO PRINTED PAMPHLETS WITH THANKS. J. R. T.

London E.C.

122

11 Cornhill Street

The Edison Electric Light Company Limited

ALL INFORMATION
TO BE FORWARDED TO
THE DIRECTOR

122 CORNHILL ST

GROSVENOR F. LOWREY,
273 Broad St., (Opp. N. B. B. B.)
New York.

1884-01-11

Jan. 11. 84.

My dear Edison,

I did not see the bearer of your
letter of yesterday and therefore could not send a reply.

1. I have the papers in the
Spanish Colonial business at least I have all the
papers relating to the Grant by which the stock was
put in my hands. A few days ago I could not
find them, but afterwards they came to light.

2. I think Navarro is
President & Mora Secretary & Treasurer.

3. The directors are Navarro,
Mora, Owen, Eaton, you and me if I remember
rightly but not having the secretary's books I
cannot be sure.

4. Navarro said the

GROSVENOR F. LOWREY,
No 3 Broad St. (Drexel Building)
New York.

1884-01-11

last time I saw him that he would take
stock for his outlay which he said was
more than \$50,000.

He will have to show
of course, and a Meeting should be called
authorize the yearly statement. I will
him to call a Meeting next week.

G. A. Edison Esq
65. 3rd Avenue

N. Y.

Very truly Yours.

R. F. Long

Write Lemmy & say the statement
ought to be filed right
off - We better call meeting &
scrub these expenses or the
be wiped out by Navans

By indirects
off
He has hands
field for fighting the battle

THOMAS A. EDISON,
Central Station, Construction Dept.,
No. 65 FIFTH AVENUE,

Form L. 2020 (2-7-21)

New York, _____ 188

Mr. Tomlinson.

Mr Edison has requested me to refer the attached papers to you. The Argentine Edison Elec. Co. is a corporation which has been organised but no money has been paid in.

A. O. Tate.

By. H.

January. 17th 1884.

*Wch 7th - 84 - Filed. Repaid with
Cous of Taxes today
J.B.G.*

[ENCLOSURE]

822
Department of Taxes and Assessments,

D
1884

STAATS ZEITUNG BUILDING, TRYON ROW.

"Electric Light
Foreign
Argentina"

New York, January 14th, 1884.

To the President, &c., of

Argentine
Edison Light Co. 65 ave. 5
La Edison, Buenos Aires

You are hereby notified to make the return of your Corporation to this Office, as required by law, a blank for which is herewith inclosed. To facilitate the business of the Department you are requested to make your return without delay. Unless the return is made by you on or before the 10th day of April, 1884, the assessment will be fixed at such sum as in the judgment of the Commissioners will represent the value of your Stock.

FLOYD T. SMITH,

SECRETARY.

1884-01-17

New York January 17th 1884

Dear Sir,

A meeting of the Trustees of the Edison Spanish Colonial Light Co. will be held at the office of Mr. Grover P. Lowrey, 113 Broad St. Room 19, on Friday the 18th inst. at 12 o'clock noon, for the purpose of authorizing the yearly statement, and transacting such other business as may come before the meeting.

Yours Truly,
G. P. Lowrey
Treas.

Thos. A. Edison Esq.
65 Fifth Ave.

Profit Thos D
To W N Stewart

For Commission on ^{50 light} ~~one~~ Dynamite shipped with
order Oct 1 as per agreement
with J A & under date Feby 9th 1884
\$100.00

J. A. L.

To William A. Stewart

*For Commission on ^{25 1/2} Dynamite shipped with
order of 2, as per agreement with
J.A.R. under date Feb. 9th 1884
\$70.00*

THOMAS A. EDISON,
No. 65 FIFTH AVENUE,

ELECTRIC LIGHT-
FOREIGN-
SOUTH AMERICA

NEW YORK, 188

Buenos Ayres.

Feb'y 16th. 1884.

To the Mayor of the municipality of the Capital Mr.
Torquato de Alvear: Julian Balbin, representative of Thomas A
Edison of the United States of America, as proven by the annexed
power of attorney, respectfully submits:-

That I have special power from the celebrated inventor
Thomas A Edison, to request from the authorities of the Republic,
all the necessary permissions for the introduction and laying in
this city, of the Electric Light, -Edison's System, - as also for
the distribution of heat and motive power by means of electric
current, by the same system.

I consider it my duty, to accept the request as the realiz-
ation of its object will be of great benefit to our city, - a
benefit which has already been realized by various cities of
Europe, as also in the principal towns of the United States. In a
portion of New York City for instance, there actually exists in
private use 12,000 lamps which work with all regularity, and give
great satisfaction to the consumers, who daily augment in number, it
being an established and accomplished fact, that the Edison system
offers advantages over all other systems.

My principal does not wish to light the streets, but merely
the private houses, soliciting the rights of placing under the
sidewalks the conductors and service wires that distribute the
electricity. This same ~~system~~ concession-
has been obtained in other cities,

2.

and I consider that it will not ~~be an~~ inconvenience the municipality to grant the said privilege; especially, if they take into consideration that my principal will bind himself to replace the sidewalks in the same position as found; subjecting himself in all cases to municipal ordinances, and to lay the tubes at night.

plan
In the annexed ~~drawing~~-you will find the full size drawing of the tubes that enclose the conducting wires and also the distributing wire. By it, the Mayor will see that the wires are enclosed within a small tube whose dimensions vary according to the number of lights connected. The largest of the tubes as shown by drawing, will suffice to serve for 4000 lamps of ten candle power each; and the one that follows it in size will suffice for 1600 ~~++~~ lights of equal power, and the one that is necessary to supply 12,000 lights, only exceeds the first tube in diameter by a few lines. Therefore the tubes are of such small size as to occasion no damage by being placed under the streets. The isolated service wire is also of small size and is placed under the sidewalk close to the house that is to be lighted. For greater convenience, if necessary, I will present to the Mayor a service and some pieces of tubing, drawings of which I annex.

In conclusion, I will say to the Mayor that the object that guides my principal, is the placing of electric lights in such dwellings and business houses as wish to use it, and in his

3.

name, request you to give me permission to open up the sidewalks of the streets so as to place below them the tubing and ~~services~~ conductors that conduct the current producing the light; he binding himself to replace the sidewalks, putting them in the same condition as they now stand, and to subject himself, to all the municipal ordinances.

Isolated in the tubes are the wires which carry the current, and the tubes being under ground, the electric current passing through them does not offer any danger whatsoever. Neither do the dynamo electric machines which produce the electricity offer any danger, as they will be located on private property. The engines to drive said machines will also be placed on private property, and in all cases be subject to municipal ordinances that must be followed when such machinery is being placed within the city limits.

I consider it unnecessary to enter into further details.

The electric Light for private use would be a great advantage for this city, and I can assure you that considering the cheapness of this light, before long, the greater part of the private and commercial houses will adopt it in preference to any other light used amongst us now.

In view of what I have said above, I hope the Mayor will have no objection in granting the permission to locate under the sidewalks the mains and services to be used for conducting the

4.

electric current, in order to provide light, heat and motive power according to the Edison system.

"It is justice etc".

JULIAN BALBIN.

Feby 19th. 1884.

To inform the office of Public Works.

Alvear.

M Obarrio. Secretary.

Feby 29th. 1884.

I have had before me the models of tubing, that is talked of, as being provided to supply the electric light according to the Edison system, in private dwelling houses. These tubes are of a diameter that varies between 0.027 and 0.048, and can be placed without inconvenience under the sidewalks.

Mr. Balbin, representative of the inventor, Thomas A Edison whilst soliciting from the municipality permission to place this tubing, states that the work will be done during the night, and he will bind himself to do all the necessary repairs to sidewalks so as to leave them in perfect order. If the Mayor decides to give the requested permission, it would be desirable to establish a clause by which the representative of this enterprise will oblige himself to accept and comply with all the requirements that

5.

may
practice ~~would~~ in the future indicate to be necessary.

Juan. C. Buschiazzi.

March 1st. 1884.

We authorize the Company represented by Dr. Balbin to
place the before mentioned tubes, under the supervision of the
Municipal Office of Public Works, and subject to the conditions
of the same.

(Signed) ALVEAR.
M Obarrio. Secretary.

This is a true copy of the original contained in the
archives of this office under No 910, of the Year 1884.

Buenos Ayres, March 21st. 1884.

True copy of the original.

Mariano Obarrio. Secretary.

I certify that the foregoing signature is that of M
Obarrio, Secretary of the Mayor of the Municipality of the Capital.
Buenos Ayres, March 21st. 1884.

Reyno O'Coña..

I certify the the foregoing signature is that of Reyno
O'Coña.

Buenos Ayres, March 24th. 1884.

Manuel. D. Gomes.
Director of the Section.

Guayaquil, Ecuador,
Feb 18, 1884.

Mr. Thomas A. Edison,
65 Fifth Ave., N.Y.

Dear Sir - Please
pay to Messrs. D. Arcos & Co., of this
place, or their New York agents,
the sum of Fifty Dollars (\$50.-)
silver, advanced by them to
the undersigned this day.

Yours Truly,
W. C. Stewart.

Paguen a la orden de los Sres Marcial & Co.
Guayaquil Febro 18. 1884.

Please draw a check to our order
and oblige

Marcial & Co.

[ATTACHMENT]

Form K-2000-12-3-83

Thos. A. Edison, Construction Dep't, Dr.

To *Marcial And les*

Business Address _____

1984	For	Dollars.	Cents.
Feb'y 8	Lundris. Letter attached	50	00
<p><i>Corrected by [Signature]</i></p> <p><i>Examined [Signature]</i></p> <p><i>Approved by [Signature]</i></p> <p><i>Payment [Signature]</i></p> <p>Dated March 6, 1884 Received from Thos. A. Edison, Construction Dep't.</p> <p>the sum of Fifty _____</p> <p>whereof \$0.707 payment invoice attached</p> <p>in accordance with the above.</p> <p>(\$50. ⁷⁰⁷/₁₀₀)</p> <p><i>Marcial & Co</i></p> <p><i>Per J. M. [Signature]</i></p>			

[ATTACHMENT]

Thos. A. Edison, Construction Dep't.

Record No. 291 \$ 50.00

Receipt of Marcial 2nd Co

For Lumens

Month of Feby - 1884

DISTRIBUTION OF ACCOUNT.

W. W. Stewart

Jo Folio 236

Feby 29, 1884

Recd
Chas. To-
day

Thomas A. Edison

New York

Guayaquil, Ecuador,
February 18, 1884.

Dear Sir:- Before leaving Panama I was lucky enough to get robbed of \$100., taken from my room at the Hotel. The rooms have no locks, and while I was absent for a few moments two rolls of silver dollars were taken from my hand-bag. Afraid of being caught, shot before reaching land I have asked our agents here, Messrs D. Arcos & Co., to advance me \$50. which they have kindly done, and I give them a letter to that effect. Please charge the same to me & I will send the sum with my first order.

Peace reigns here once more, & Mr. Arcos is inclined to have a try at the electric light business. I have given him full instructions in regard to making a canvas, &c., & he is to meet me on the steamer this evening to get further particulars, so that you may expect to hear

from him soon. The sanitary
condition of the town is now
much improved, so that you
can send a man here with
safety. A 600 light plant
can be put in here with
ease, & I am sure that Mr.
Acas means business.

Yours Truly,
Wm. S. Smith

(532)

Hotel Maury,
Lima, Peru,
Feb. 27, 1884.

Mr. Thomas A. Edison.

Dear Sir - Our steamer from Panama was ordered to stop at several small ports in Peru to pick up refugees, & I therefore missed the southern mail boat. This gave me four days here, but three were days of Carnival, so that no business could be done. I have managed, however to see your agents here, Messrs Prevost & Co., & to get a general idea of the town & prospects.

Grace & Co., of New York, have just secured from the Government an exclusive privilege for all electric lights for 10 years. This was done through two clerks who are acting for the firm, & is a piece of bad faith to Mr. Prevost, of which he speaks in strong terms. He will at once take steps to have the Edison system exempted from the contract. Grace & Co. are obliged to pay the Government \$10,000 unless they organize a company & introduce it.

light inside two years. They will probably try to get hold of some Edison lamps or machines, so look out for them. Mr. Prevost seems to have done all that was possible for you during the last few years, & seems to me to be a very different kind of man from Kendall.

Lima is a far better city for our light than Santiago, & I think that something should be done here as soon as Congress settles the place question. Mr. Prevost says that if you care to do so, he will contract with you direct for all Peru, if the Parent Co. will surrender the territory to you on the same terms as in my contract. If such an arrangement is made he will join with me, so that the whole coast may be under one management & our men & material worked to the best advantage. Advise me if you can secure this, & I will confer with Mr. Prevost further in about three or four months, as he is desirous that I should return here in that time to arrange with him a plan of operations. I have very little time

(3)

(338)

Before my steamer sails to explain
the present situation here, but I
can summarize it by saying that
Lima is sure to pay handsomely
that installation will cost half
what it would in Santiago, & that
the war will help us instead of
being a hindrance. I also think
that we can easily get sufficient
capital for a 2000-light station,
after which there will be no trouble.
I am due in Valparaiso March
8th, from whence I will advise
you further.

Yours Truly,

W. V. Stewart.

Care

Edison Electric Lt. Co.

Santiago, Chile.

P.S. - Since writing the above Mr. Prevost informs me that it is necessary to make an exhibition in Bolivia soon to save the Patent, & that he is willing to turn over the whole business to me if you consent. If, therefore, Mr. Eaton will arrange with you, I will see that the machinery now here sent out for this exhibition is utilized & an exhibition made, if you will send me terms & conditions, which should be a little more favorable to me than in Chile, as Prevost & his Bolivian agent both expect something, while the expense of an exhibition will be very heavy. If you make me favorable terms I will pay all expenses & do the work. If so, advise Prevost & Co. that they may arrange with me, & send me particulars of your arrangement with Mr. Eaton.

The machine sent for Bolivia is an old 15-light A. If I am to use it, send me 2 sets of new style brush holders (same as new 25-light) and 25 brushes, to Mr. S., Valparaiso. I will then arrange everything else here.

Yours, &c.,
Wm. Stewart

PATRONALAFAMA

Ceran Hermanos.
GUAYAQUIL
Calle del Malicón No. 24, 25, 26.FABRICA DE PIEDRA Y MARMOL
VENTA DE TABLAS &
Trabajos mecanicos en general.

Guayaquil, 30 Marzo 1884

Mr. Edison.

Me permito a participar a U. que he obtenido privilegio exclusivo para alumbrar con luz electrica, las principales ciudades de la Republica: como el Sr. Darío Arce, ha dejado perder su privilegio, por no haber hecho uso de el, nosotros lo hemos solicitado y obtenido, en condiciones muy ventajosas, pues solo el plazo de 50 años, es bastante para merecer preferente atencion.

Si U. ha tenido con el Señor Arce, alguna negociacion a este respecto, nosotros tendríamos mucho gusto en continuarla; ó si, directamente deseara U. negociar con nosotros alguna combinacion que nos fuera mutuamente favorable, tendríamos mucho gusto en aceptarla.

De todos modos, suplico se sirva remitirme todos los catálogos y precios corrientes de este ramo de luz electrica afin de que no haya duda ni embarazo en nuestras determinaciones.

Desearo una franca y real relacion con U.
me suscribe
afecto S. S. Rafael Ontaneda

[TRANSLATION]

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

Translation

Form L, 1004-10-74.

Guayaquil 30th March 1884
New York

Mr. Edison, 500
I ~~desire~~ to inform you that I have obtained the exclusive right of lighting by electricity all the principal cities of the republic. To Mr. Dario Acos, lost his privilege, for not having introduced the light, I applied for same, & obtained it, under more advantageous conditions, as the concession I obtained for Sorpas is worthy of attention. -

If you were ever in relation with Mr. Dario Acos, we would be very happy to continue same; or if you wish to enter into negotiations with us in order to make a mutually advantageous combination, we would be very happy to hear from you. - In any case, we beg you would send us all your Catalogues & price current, referring to electric lighting, so that we may become well posted. -

Hoping for frank & open business relations.

I am &c

Cuenca - is in Ecuador - 20,000 inhabitants
Quito - Capital of Ecuador - 60,000 do
Guayaquil - Ecuador - 20,000 do } all very rich cities & by

The newspaper clipping state that Mr. P. Outavada & P. Ruisen have obtained the concession for Sorpas, for lighting the cities of Quito, Cuenca & Guayaquil. - The machinery to come in duty free, & at the end of the Sorpas, the same to belong to the Municipality of the cities.

GUAYAQUIL, 20 DE MARZO DE 1884.

La Convención Nacional acaba de otorgar privilegio por diez años, fuera de otros concedidos a los señores Vinuesa y Ontañeda, para establecer el alumbrado eléctrico en las ciudades de Quito, Cuzco y Guayaquil. Nuestro Corresponsal, en la capital, aprueba calurosamente esta resolución y si solo fuéramos a considerar los beneficios que de momento se reportan, uniríamos a aquellos nuestros elogios.

En efecto, el alumbrado es una de las primeras necesidades en toda población, y la mejor garantía para el orden y la moralidad que en ella deben reinar. Por lo mismo que este ramo del servicio público genera tanta importancia, es también todo esfuerzo que se dirija a implantarlo según los sistemas más perfectos, y siguiendo los perfeccionamientos que, día a día, va introduciendo en él la industria del hombre. Por esto, ya nos se ha pronunciado en favor del alumbrado eléctrico, es una positiva mejora introducida entre nosotros. Revéndolo a las poblaciones más importantes de la República.

Interior.

Quito, 12 de Marzo de 1884.

Señor Director de La Nación.

Con motivo de una consulta del Poder Ejecutivo sobre si debe o no reconocer la graduación otorgada por los Gobiernos seccionales, durante la última campaña, la comisión de guerra al dar el informe respectivo opina que debe ser así, en todo lo que respecta por las leyes. Este informe tiene origen en una polémica discutida hábilmente por la injerencia que habrían procurado de tal manera, para que tantos ciudadanos valientes y patrióticos hubieran sido considerados los algaros imperiosos sin obtener los honores. Esto lo dice, el señor Director, pero también es que casi todos estos ciudadanos habían por lo común el de las circunstancias y la necesidad de probar un ejército regular según las leyes y que hoy que tenemos un régimen constitucional no puede ser así, quedando de esta modo cumplidos.

Al punto, señor Director, las leyes de los Gobiernos, cuando tratan sobre la necesidad de la ciudad por razones bastante establecidas, los que en que se puede considerar como una ley dada en el haber pasado por el Poder Ejecutivo, discrecionalmente y en virtud del imperio personal, después de la guerra, según el informe de la comisión de guerra a que se refiere, contra el poder de posesión, no habiendo, por lo tanto, en sujeción a las leyes, y en el que, no es el servicio distinguido el que han prestado al país todos los que lucharon por la república.

Con todo, la resolución de la Asamblea ha quedado sin efecto, por lo que el de la ley orgánica militar.

Ante la ejecución de la ley, esta debe valer los fundamentos de los que se han desechado sus grados reconocimientos que creo no podrán tener pues que el verdadero patriotismo es más firme con la justicia.

En tercera discusión ha sido aprobado un artículo de suma importancia para las tres principales ciudades de la República.

La electricidad, que tan múltiples aplicaciones ha recibido, en estos últimos tiempos, cuenta entre las más importantes la de alumbrado público. Los señores Ontañeda y Vinuesa, el primero conocido en esta plaza por su constancia y conocimientos y el segundo como honrado comerciante, han hecho la respectiva petición a la Asamblea, para que les conceda el permiso y privilegio necesarios para iluminar por medio de luz eléctrica las ciudades de Quito, Guayaquil y Cuzco. Según el reglamento, se declaran libres de ex-

los los materiales, aparatos, etc., que necesite la empresa; se le da el derecho de ocupar las calles, plazas, que necesite para la colocación, autoriza también la expropiación de los terrenos o sitios de que hayan acordado los empresarios, y se les concede cincuenta años de privilegio.

Los señores Ontañeda y Vinuesa son ecuatorianos, y no de otro modo se estimula a los nacionales para llevar a cabo obras de esta naturaleza. Además, según tengo entendido, el material, quinaria y aparato que van necesitando el tiempo del privilegio, estarán a su propiedad de las respectivas Municipalidades, en cuyos terrenos que contratan los propositores anticipadamente. La luz es una de las principales fuentes de utilidad pública, no sólo porque ella embellece las poblaciones y facilita el tráfico de ellas por las noches, sino también por la ayuda protectora que presta a las autoridades de Policía, contribuyendo así indirectamente, al crecimiento de la moral y al desarrollo del orden.

Próximamente participará a U. el tiempo que se señala para comenzar los trabajos.

[ENCLOSURE]

Mr. Edison,

A Mr. Adams claims to represent the Edison Electric Light Co. in Mexico. Gen. Mexico notifies us that Adams claims to hold authority from you to represent our company. Is that so? If not, will you kindly write the Light Co. a formal letter stating that Mr. Adams has never been authorized by you to represent us in Mexico.

S. B. Eaton

April 1st. 1884.

per Mc.G.

~~P. O. Box 1100~~
Cable address
"Fraser, New York."

Fraser & Co. (of China) 123 Front St.
-75 South Street-

New York, 22 Apr 1884

Thos. Edison Esq,
15 Fifth Ave,
N.Y.C.

I would suggest your
addressing an official letter to
H. E. Min Tong, Post. of the
Correspondence Office, Seoul, Corea,
making application for the exclu-
sive concession for electric light
and telephone in Corea, duplicat-
ing the same request of the April
sent this Gen. Lucius N. Brock,
U.S. Minister Seoul. You might
also speak of your automatic
Chinese character telegraph de-
vising to introduce that also, as
the Coreans use Chinese altogether
in their official, and ordinary com-
munications to a very large extent.
Following the cable which I sent
out on the 16th inst. the Corea Govt. will
naturally expect to receive, in due
course of mail, your application in
writing, as confirmatory of the cable,
being the only truly (American)
now related with Corea. I think it

P.S. would be well for you to mention that you are an American citizen, and the inventor of these plants &c, which now give additional weight to your application.

If you would like to have me try to introduce the same into Japan and China, this my houses in Yokohama and Shanghai, please address me a special letter to this effect.

I hope shortly to receive from you the address of some good mining expert or consulting engineers familiar with the forms of opening up mines in foreign countries (gold-silver, copper coal &c &c) as suggested by you, on whom I may call, and exchange information as to the future development of that special interest in Corea.

Edw. Duff.

Your obt. servt,

Frederic Prager

Region in British Guiana, S. America

JOHN R. TILLEY.

Demerara

Sunday, April 25th 1884.

J. A. Edison Esq

Dear Sir

I am in due receipt of your valued favor of 21st ult. contents of which has been noted with much interest

The amount of your estimate will I fear be more than sugar Estates will care to spend more particularly as the present prices of sugar is much below the average

If anything can be done however with your light I will have much pleasure in again addressing you on the subject

With my best thanks for your letter I beg to remain
Yours faithfully
John Tilley

PUBLIC  LEDGER

GEORGE W. CHILDS, PROPRIETOR.

Philadelphia, May 29 1884

Dear Mr. Cone
Washington

My dear Sir,
I have

just arrived from
a weeks sojourn at
Harrisburg & Harten
to answer your letter
about the Electrical
business. I have
handed the letter to

Eng. App.

My son who will
communicate with
you on the subject.
He is an Engineer
and has business
connection with the
Edison Company
who put in the
Ledger light. What
he says on the subject
you can sincerely
believe. Hoping

what he may
communicate to
you may prove
satisfactory I re-
main

Respy Yours

Edw. Muecke

I expect to leave
for Erie tomorrow
and shall be gone

a week. In the mean
time if you want to
know anything about
this business write to
address below. He
will write to you
about the business.



[ATTACHMENT]

Encl. Sept.

MEMORANDUM FROM OFFICE OF M. RICHARDS MUCKLÉ, JR.

To Mr. D. W. Cone
1305 F St.
Washington

16 & 17 Ledger Building,
Philadelphia, 24 May 88.

In reply to your _____ of _____

Dear Sir - Your letter to Father of
the 20th. I have referred to the Washington
agent of Edison Light Co. who will
see you. Would respectfully call your
attention to the Westinghouse Engine
for diving purposes in connection
therewith. Very Resp.

M. R. Mucklé, Jr.

Washington D.C.

May 26 1884.

No

The President of

The Edison Electric Illuminating Co

105 - Fifth Avenue

New York

Sir:

I have an extensive business acquaintance in Mexico, West Indies, and Central & South America; and write now to ask if you have made all necessary arrangements for the introduction and sale of your apparatus in these countries. I could do something in that line if there is an opening.

I was for many years the Washington Correspondent of the Primer Public Ledger, and have the honor to refer you to Mr Geo. W. Childs and to Col. A. Richards ^{Cashier of the Ledger} ~~Miscall~~. Indeed I have already written to Col. Miscall for information who has, through his son, referred me to your local agent in this City. As however my experience relate exclusively to the sale of your apparatus in foreign countries I thought best to address you direct.

Yours very truly J. D. Cowe.

1305 7th Street N. W.

Vol. 1. App.
PUBLIC  **LEDGER**

2. W. Cor. Sixth and Chestnut Sts.
GEORGE W. CHILDS, PROPRIETOR.

Philadelphia, May 3d. 1884

Mr. E. P. Eaton
President &c
New York City

Dear Sir
On my return after an absence of some days from the City I found yours of the 27th inst on my table. One has known me come for many years, during which

time we have found him to be a capable and energetic gentleman in the business in which he was engaged while in our service. We have no doubt he would make a competent agent in any business, where an opportunity might be afforded him, to make himself thoroughly ac-

granted with pleasure

Remain

Respectfully

Rich Muench

Mr. Edison,

Mr. D. D. Cone, wants to do business for us in South America and I have referred him to you. He comes well recommended and represents the ~~Perry~~ ^{Pease} & Jones Engine Co., at Washington. He says he knows business men in South America, in the various companies, and knows their legations very well at Washington.

He says he has resided in Washington 25 years, has been Secretary to two different Presidents of the United States, and knows most of the officials in Washington, especially the representatives of South American countries.

I turn this matter over to you for you to write him or take such other action as you may think best, South America being in your keeping for development.

His address is 1305 F. Street, Washington, D. C.

S. B. Eaton

June 3rd. 1884.

per Mc.G.

Constitution Cone
delivered 5th June 84

EDISON SPANISH COLONIAL LIGHT CO.

Thomas Alva Edison, President.

OFFICE, 71 BROADWAY, ROOM 33.

P. O. BOX 2596.

NEW YORK,

June 16 1884

Mr. F. S. Hastings, Secy.
Edison S. L. Co.

I will get your
data together for
you

and ~~be~~ beg to return

herewith the enclosed letter referred to me by your
favor of the 3rd inst.

As the Island of Trinidad M. I. is a British Possession
it does not come under our jurisdiction, as the
Edison Spanish Colonial Co.

Very Truly Yours,
Edison Spanish Colonial Light Co.
Per A. Williams (S)

For Mr Edison
Mr Edison does
is whom is
it belong if
belong to Edison

[ENCLOSURE]

F. M. DELANO,
President.

JAS. H. HOWARD,
Vice President.

J. O. HAYES,
Sec. & Treas.

**"The Tropical American Telephone Co.,"
Limited.**

Executive Offices,

55 BROADWAY, N. Y.

A. W. GRAY,
General Manager.

Removed to

147 Broadway, New York City

The Edison Electric Lighting Co. *Port of Spain Trinidad*
New York *14 May 1884*

Gentlemen
I think if properly handled there could be something accomplished in the way of electric lighting not only in this City but also with the sugar estates for the purpose of lighting their mills. The Mayor of this municipality has already been urging me to obtain information in reference to the probable cost and best system of electric lighting for this City. Although this City has a population of from 20 to 40,000 they have no gas and are sadly in want of a better system of lighting. I have also been approached upon the subject while at Bermuda and I think that the adoption of the electric light there would be much more general than here as it is a much larger and more prosperous colony than this. Georgetown is Capital City having at least twice the population of Port of Spain. If you will kindly furnish me with full information respecting the

[ENCLOSURE]

F. M. DELANO,
President.

JAS. H. HOWARD,
Vice President.

J. D. HAINES,
Sec. & Treas.

The Tropical American Telephone Co.,
Limited.

Executive Office,

55 BROADWAY, N. Y.

A. W. GRAY,
General Manager.

Removed to

100 West 42nd St., New York City.

Thank you much for your light as it
now exists with best wishes I shall be
very much obliged.

Hope to hear from you by next
mail.

Sincerely,

Yours truly,

A. W. Gray

The undersigned is duly authorized by the Board of Directors of the
 City of Rio de Janeiro, to execute the following contract:
 About 24 months ago, the undersigned, in order to supply the
 City of Rio de Janeiro with gas, entered into a contract with the
 Messrs. Stohr & Co., of Rio de Janeiro, to supply the City with
 gas for a period of 24 months, for lighting the National
 Buildings, the Municipal Buildings, the Streets,
 Public Gardens, &c. in fact the entire City of Rio de Janeiro.
 The undersigned is required to pay a rental for the gas works
 of 100,000 Reals, and to agree to furnish the gas
 at a price fixed in the contract. The undersigned has received from
 the City of Rio de Janeiro nothing but the labor
 of the City in making gas. The contract
 with the City is now operating the works of the
 City, and the undersigned is obliged to continue
 supplying gas until such time as the
 City of Rio de Janeiro (or the Government) makes
 other arrangements.
 The undersigned is authorized by the Government
 to make all the arrangements for supplying gas,
 and to pay for the same, a large amount
 of lighting to be in, Rio de Janeiro, which has
 hitherto been lighted by gas.

Letter 1874, 1875

Washington D C June 19 1884.

Samuel M. May Esq.

215 Fifth Avenue New York

I have four esteemed favor of yesterday stating that my letter of the 14th addressed to Mr. Edison had been turned over to you for attention; and that you intended to be here on Monday morning next. I have accordingly arranged for you to meet Messrs Pinheiro the Brazilian Commissioner at 10 o'clock A.M. and the Brazilian Minister about the same time or perhaps later in the day.

It is to suggest that you bring ^{three} copies of your large Book Containing ^{descriptions of} Illustrations of the Edison Electric Light.

I will call at Willards Hotel soon after nine o'clock Monday morning, hoping to meet you at that time.

Yours very truly

L. J. Love.

1806 - 77 Street N.W.

Elec. L. S. A.

Form H. 200-2-2-94.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, *25 June 1884*

Dear Mr Costey,

Do you know anything
about the standing
of Cayo Boungard & Co
of Pernambuco Brazil.
I think they are in
the Tobacco Trade.

Apologizing for
troubling you.

Yours truly

Samuel Insull

Never heard of them, but I am
not much acquainted with the Tobacco
Trade. *C.H.C.*

1854-07-08

STANDARD, CHIC

Mr. Edison:-

We are in receipt of a letter from Peru, stating that the concession granted in Bolivia will expire in October next, and asking that we send men and materials at once, for the purpose of making an exhibition and so save our rights. Is it necessary that anything should be done in this matter? Will our United States Patents be affected by default in Bolivia? Or, have you already had the matter under consideration?

P. S. Hastings.

July 8th. 1894.

per S.

2. encl

F.R. GRIGG,
AUCTIONEER, SURVEYOR &
LAND AGENT.

1, Queen Victoria Street,

London, *July 9th* 1884
E.C.

Samuel Insull Esq
65, Fifth Avenue, New York

My dear Insull, I duly received your letter of June 16th with enclosure of list of Cities Towns &c of Central & South America, Africa, Asia & Mexico respecting which you desire information, as to Gas Companies - I have made enquiries to this end & at present have ascertained the names & addresses of twenty Gas Companies, a list of which I enclose herewith. By the assistance of a Broker I have also succeeded in obtaining the Reports & Balance Sheet of 14 of these Companies, which I also send to you by the same Mail, but under separate cover. In some cases however, as you will see from my remarks in the List of Companies Enclosed, no reports have as yet been published - I am still making enquiries respecting the existence of other Companies; also for any data as to those of which I send you the reports, and will take care to communicate to you any additional information that I may obtain appearing to serve your purpose.

I am sorry that I have not yet been able to ship to you the 50 Woodhouse & Rawson

Encl 2)

F.R. GRING,
AUCTIONEER, SURVEYOR &
LAND AGENT.

1, Queen Victoria Street,

London,
E.C.

18

lamps that I have had on order for some time on your account. It appears, however, that Messrs. Woodhouse & Rawson had run out of stock of their old-fibre lamps, for which there is now very little demand, & this has caused the delay. I hope, however, that I shall be able to send them off to you before the end of this week. Messrs. Woodhouse & Rawson inform me that they have ~~an~~ in stock a lamp of still older manufacture than that advertised as their "old-filament" lamp, which they will be happy to sell at 1/9 each.

I ~~should~~ received your letters of 15th May enclosing drafts value £4.13.6 for shipment of "Swan" lamps, and £12.10.— being three months remuneration, as arranged, for which I am much obliged. For the latter amount I send you herewith enclosed a formal receipt.

Yours very truly,
F.R. Gring

[ENCLOSURE]

Company	Address	Remarks
Cedera Gas Co L ^d	76 Wood Exchange Colonnade Street E.	report sent
Belgiano . . .	57 Moorgate Street E.	not published
Bombay . . .	6 Drapers Gardens E.	no reports
Coprao . . .	9 New Broad Street	" "
Nichtergy . . .	6 Great Winchester Street E.	report sent
San Paulo . . .	Denison Hall Great Winchester St.	" "
Rio de Janeiro . . .	6 Gresham House E.	" "
Monte Video . . .	103 " "	" "
Colombo Gas & Water Co L ^d	128 " "	" "
Hong Kong & China Gas Co L ^d	" " "	" "
Bahia Gas Co L ^d	78 & 81 del Lane St. Tower Street	" "
Pana . . .	7 Union Court Old Broad St.	" "
Georgetown . . .	30 Gracechurch Street E.	" "
Malta & Mediterranean . . .	60 " "	" "
Buenos Ayres Gas Co	1 East India Avenue E.	no report
Singapore . . .	10 St. Mary Ave E.	report sent
Oriental . . .	14 " " "	" "
Mauritius . . .	14 " " "	" "
Christchurch . . .	237 Southwark Bridge Road S.E.	" "
Buenos Ayres (Old) . . .	42 South John Street Liverpool	" "

[ENCLOSURE]

London June 27th 1884 -

Received of Samuel Insull Esq^r the sum
of Twelve Pounds; ten shillings Sterling -
being three months remuneration until
May 1st 1884, as per agreement -

£12 = 10 = 0

J. Higgin

1284-07-13

13/

JOHN R. TILLEY.

Saddie, ~~Benarara~~ 17-1884.

any expenditure that
can be put off for a time

I am about to light
a sugar house with four
arc lamps Brush System

Others may prefer the incandescents
when the times will allow
the expenditure

Thanking you for your
communication

I am

Yours faithfully

John R. Tilley

Thomas A. Edison &

Dear Sir

Your esteemed
favor of May 3rd is to hand

I am much pleased
to note that you can
supply a plant for as
much less than your first
estimate and when
an opportunity offers for an
incandescent installation
will have much pleasure
in recommending your system
which I have no doubt is the
most perfectly worked out of any

I very much regret
that the present low prices
of sugar has stopped

New York, July 25, 1884.

Thos. A. Edison Esq^r
City.

Dear Sir:— I do not think
you can obtain a map
of the City of Puebla
except by sending to
Mexico for it.

Very truly yours,
Juan M. Narano

J. M. Narano
J. M. Narano

George Ridgely
Attorney and Counsellor at Law

51, 61, 64 -
For 1844
S. 100 - 100 -
50 1/2 100 St.
211 1/2 100 St.

100 1/2 100 St.
1884

Thomas A. Fairbank

Dear Sir,

Enclosed please find notarial
copy of Power of Attorney given by Colonel
George W. Sherman of Buena Vista
to Mr. Richard Roll, securing to the latter
fifty per cent of all sums which may
become due from your Company to
Colonel Sherman. Be kind enough
to acknowledge receipt of same and
regard the copy herewith sent as
your authority for paying the per
centage mentioned to Mr. Roll or
his agent when demanded.

Yours truly,
G. Ridgely

EL. LIGHT-
FOREIGN-
So. America

367

Hotel del Revere.
New York, August 5th 1892

To the Edison Machine Works.
Present

Dear Sirs:

I beg to inform you that I have to start for Brazil & that I cannot wait for an answer from my associate in Para, in regard to the business of electric lighting, according to the proposition I made to you & to the estimates you kindly gave me on the 11th of July.

I should like to receive from you, information as to whether you can get ready for shipment all the material specified in the estimates, in fifteen days from date of receipt of order which I

intend to send, through Mexico, WRRpawde
or some other house, & also to send with
the machines an expert to run them.

I agree to sell the plant, within
four months after its arrival in Pará
or Amazonas, according to the destination
I shall fix for it, or to give you an
indemnity in case of sending the plant
back to you as per Contract of July 11th.

The machines will always be
under my orders during the four months,
the engineer having only the technical work
to do.

My responsibility will cease if the
plant does not arrive complete in Brazil,
or if it does not work properly.

I agree to publish advertisements
in the Brazilian newspapers & to extend
your system of lighting; all expenses being
for my account; & also not to introduce
any other light, nor deal with any other
Company, but yours.

3
The Engineer must teach the persons I may designate, how to work the machine, so that they may be able to take charge of them when sold. He also, must help me, as much as possible, in the making of estimates or projects, when necessary, to send new orders.

You agree to give me your Agency, from now, in the northern part of Brazil, that is in the provinces between Pernambuco & Amazonas, not to execute any order but through my hands.

You will furnish catalogues & price lists of your apparatus, lamps &c &c that I shall distribute in Para & the other Provinces.

I beg you, kindly to state discounts & commissions you would allow me on the sale of your different machines, lamps &c &c

4
Please let me know, also, how much stock, more or less, are you willing to accept in the Companies that I intend to establish in different places of Brazil.

I trouble you further, requesting an answer to the various points embodied in this letter within this week, drawing our final agreement in the best shape you can & in accordance with the views I have already given.

Any information that you may deem important will be thankfully received by

Yours very truly,
Barth. Mantemede Saun

Pernambuco	1,250.000
Paratyba	300.000
Rio Grande do Norte	200.000
Ceara	550.000
Piaui	232.000
Maranhão	500.000
Papa	350.000
Amazonas	100.000
Total -	<u>3,482.000</u>

EDISON SPANISH COLONIAL LIGHT CO.

THOMAS ALVA EDISON, President.

OFFICE, 71 BROADWAY, ROOM 33.

P. O. Box 2596.

EL LIGHT
EDISON SPANISH COLONIAL
LIGHT CO.

NEW YORK, August 13th 1884

Mr. Thos. A. Edison.
Present.

Dear Sir,

The bearer Mr. Edward T. Beardsley has been in our employ in our Havana Agency, as chief engineer of our Exhibition Plants there for the term of two years and now leaves us on account of the expiration of his contract.

Mr. Beardsley desires to go to some of the Spanish-American countries in the same capacity which he has been with us. Our agent in Havana who has had full opportunities for judging of his capacity in that line, speaks highly of his abilities and character as may be seen by his letter to Mr. B.

We hope you may be able to give him employment and bear in mind his preference.

Yours Truly,
Edison Spanish Colonial Light Co.
Geo. J. McWarren, Treas.
Sg. Prosper
Newark N.J.

THOMAS A. EDISON,
No. 65 FIFTH AVENUE,

NEW YORK, August 1884

To his Excellency
Señor Don Guzman Blanco
Minister Plenipotentiary & Envoy Extraordinary to the
United Kingdom of Great Britain & Ireland
et cetera, et cetera,

Dear Sir
Permit me to introduce to your Excellency
Mr Milton F. Adams, of this City, to whom
has been intrusted the introduction of my
System of Electric Lighting in the Republic
of Venezuela.

We have made preparations for the
exploitation of our business on a large
scale, and have confided its entire
management to Mr Adams because
of his familiarity with the country
and the high opinion I entertain
of him personally.

I have known Mr Adams for years
and had every confidence in his
integrity and ability.

I have taken the liberty of presenting
him to your Excellency in the hope
that you will aid him with

such advice and suggestions as you
may deem proper, fully appreciating
that your good will in this matter

Refd to ^{W. Hughes}
by the Postal-Inspected
South American Dept.
Edison

T. A. Edison Esq
65. 5th Avenue
New York.

São Paulo
Brazil
September 18th 1884

Dear Sir,

Having carefully considered the estimates contained in your letter of June 16th we beg to make the following proposals.

We are prepared to accept your terms so far as prices are concerned, and will guarantee an immediate order for a 1600 light plant, as modified below, upon the receipt of our appointment by you as your sole agents for the Province of São Paulo, Brazil.

We understand from you that Messrs John Ince and Co of Rio de Janeiro are your agents in Brazil, but our proposals being only for this Province (which forms only a small portion of Brazil) will not harm that Co, in fact it will probably greatly benefit them. They will never

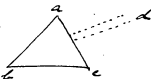
anything in São Paulo without us, and as you suggest, the satisfactory working of an electric light plant in this city, will give a boost to electric lighting in Brazil, of which they will reap the benefits without having gone to the trouble and expense to which we have gone. Our idea is to make this installation in São Paulo as an experiment which proving satisfactory will undoubtedly be the commencement of a large business, and we should at least have any advantages that may accrue from our initiative in this Province. Now as regards general matters, as this will be the first central electric lighting station, we must never have the slightest hitch, we shall therefore have another large engine and two 500 light dynamos, as spare, in addition to the two 400 light dynamos and engine, which can be used when fewer lamps are in use. We will build the chimney 100 feet high as you suggest, but as everything is very expensive here we are inclined to think that an iron one will be best for us, and should be quoted for by you. The plans of the station mentioned

(3)

Your letter have not been received. We asked for the wires to be calculated for 3,200 lamps as in Desbry, and also asked for an estimate (approximate) for lighting the theatre, which estimate has not reached us. By this mail we send you a good map of San Paulo, to which, in future letters we shall refer. Will you now (if you accept our proposals) please let us have fresh estimates for a 1600 light plant, but with the wires calculated for 3,200 lamps, including a second large engine and dynamo, with the necessary switches to take up the whole load of 1600 lamps in case of accident, or if we wish it, to run both 1600 lighters at once (each with a part load, as the boilers would not I suppose steam for both large engines at full power.)

The station should be large enough for at least two more engines and dynamos with the boilers necessary. This really means what you would call a 3,200 light plant with the exception of the boilers, which are for a 1600 light plant. What would be the difference in cost of the

conductors, more or less, if instead of the station being in the centre of the system it be at an extremity? We hope to be able to obtain a house in the centre more or less, but perhaps it may not be possible, and for this reason we ask the question. Another reason also is this, that being at the Rua Direita end of the system, the Central station might serve the theatre. Please let us have approximate estimates for the theatre - 1st Served from the Central station, and 2nd fitted as an isolated plant. Roughly speaking the theatre employs 800 gas lamps at present, including a cluster of about 250 burners in a punt-light, but it is not well lighted. Another point we are not very clear upon is this. By increasing the sectional area of the mains, a larger number of lamps can be employed in a certain area, but supposing we have an area A.B.C. and wish to extend to D. how is it to be done? Will extra feeders do it, or is it inconvenient, or impossible? It is very doubtful if we can erect poles in the streets (with the exception of the Rua



perative) as they are exceedingly narrow. The
 gas lamps are on brackets, therefore we shall also
 probably have to employ brackets, and these should
 be included in your estimate, as also insulators,
 bolts &c. - Everything must come from you
 as we can count upon nothing except labour.
 If poles are employed we can obtain them,
 but we do not think they will be allowed.
 The insulated wire should be rubber-covered
 unless you have an insulator that will resist
 the climate. Gutta Percha is quite useless. Guard
 wires will be absolutely unnecessary, as the city
 is covered with a network of very small-gauge
 telephone wires. It is of course understood
 that your estimate for your latest improved
 dynamos, newish lamps, fittings &c. The
 weights of the material should be given, as also
 the freights to Santos if possible. There is to be
 a general election in December so for evident
 reasons it will not be convenient to interfere
 with the Gas Co until after this is over. As
 soon however as possible the city will be

massed and the number of Campes required at various points will be sent you. The want of this information need not interfere with the general questions dealt with in this letter.

If you accept our terms, please let us have as soon as possible all information you can give in connection with your system, including a telegraph code. Hoping to hear from you within the least possible delay, and trusting that this will be the commencement of a large and profitable business.

We are

Dear Sir

Yours very truly -

Antonio Prado.

João de Magalhães

R. B. David.

P.S. Letters and orders as your agents will not be valid unless signed by the three above signatures.

St. Pauls Theatre
Gave lights at present employed

In lobby of theatre.

	Total
Two tiers of lamps outside boxes } 14 in each tier.	28
Some lights in ceiling -	250
3 burners on each side of stage (chandelier)	6
Lower corridor, giving entrance into lower } boxes (on each side entrance) 6 each side }	12
Two entrances to pit, down steps from } above corridor - 1 lamp each side }	2
Entrance of theatre 3 in chandelier } and two separate }	5
Cloak room -	1
Reception bar -	10
	<u>514</u>

Second tier.

At back of boxes -	3
Private boxes -	2
In corridor (3 each side) -	6
On stairs -	2

Saloon on this tier.

Five chandeliers with 2 lamps in each -	18
Three " " 6 " " " " " " -	18
Entrance to this saloon -	4
Cloak room 2. ticket room 1 -	5
	<u>56</u>

Continued.

Theatre (2)

Third tier - - - - - 12
Fourth - - - - - 5
17
To light the whole theatre excepting stage 387 lamps

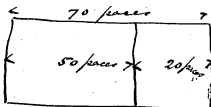
Stage.

6 rows of burners on each side, each row } 144.
containing 12 burners
Above - six horizontal rows of burners } 150.
with about 25 to 30 burners in each, connected
by means of inextensible tubes }
Dressing rooms - 17. with 2 burners in each. 34
Above everything there are about 12 lamps. 12
Footlights - - - - - 52
392

Outside theatre there should be two or three powerful lamps.

Rough dimensions of Theatre

Round corridor outside boxes 70 paces



Outside building.

W. G. R. S.

Electric Light. Brazil

Private.

Campinas
Province of São Paulo
Brazil
Sept 18th / 1854.

Samuel Insull Esq
No 65. Fifth Avenue
New York.

Dear Sir,

Although I spent some days in your
Office I am sorry I cannot recollect having
met you personally although I saw Dr. J. N.
Eaton, Mr. Hastings &c. Your letter of June 16th
inclosing estimates, duly reached me in London
on the very eve of my departure for Brazil. As
the estimates were to have been ready before my
sailing from New York. I expected them at
least by the next boat, and after waiting some
weeks, gave them up altogether. Failing your
system I was forced to procure another, and
was fortunate enough to find what promised to
equal if not rival yours. It however employs

secondary batteries. If it had not been for my doubts of the good working of these apparatus, the order would have been promised there and there. As it was, I brought out complete estimates, and also lamps and holders as to price. Mr. Edison promised me some lamps, and I saw him send the order to the factory, but I have never received them. Fortunately I was able to leave a copy of your proposals with Mr. Preece (my intimate friend and old chief) and he so strongly recommends your system, that coupled with my personal knowledge of its working in New York and elsewhere, I could not well recommend any other. I have done so, and from the enclosed letter you will see with what result. I have taken upon myself the responsibility of saying that yours is the only complete and perfect system, and that I will guarantee its satisfactory working; now I must ask you in return to use your utmost endeavours to send us the best of everything, and as fast as man

as possible. I was much pleased with your Mr T. Plomant with whom I spent a night at Newbury. if that gentleman could, come out for us I should be well satisfied I will see that your representative is well looked after, and I should like to show him two or three other towns that we shall probably tackle. I shall probably take the position of Supt and Electrician of the new Co apart from the working staff mentioned in your letter, and I wish therefore to learn your system in every detail from a good man. You may probably wish to know with whom you are dealing so I will tell you in as few words as possible. About myself Mr Preece can give you every information. Sr Antonio Prado is the most important man in São Paulo, he has an immense fortune entirely independent of any crises that may pass over Brazil. He will probably be elected to represent this Province in the Imperial parliament next December. Mr Couto de Magalhães is a Brigadier General

in the Brazilian Army, retired, and living on a large fortune, a great part of which is invested in England. We shall raise a capital to start with of 125,000 dollars (i.e. 250,000 milreis) of which the greater part will be furnished by the two above named gentlemen, the rest will be allowed to be purchased in shares amongst the commercial men, so as to have a public interest in the scheme. As the two above named gentlemen were interested equally with myself in my journey of enquiry, I was obliged to give them more or less, the prices, as quoted by you in your letter to me, but I impressed upon them that these were Agents prices, and that upon them Agents were accustomed to charge about 50% - In your new estimates you might quote these same prices, and I will ask you to make a note paying that Agents charge about 50% upon them, I can then claim 10% as my share. The small percentage that

You offer one in your letter, should I think
 belong to me, and you can hand it over to my
 representative in New York, although no notice
 can be taken of it officially in the accounts.
 Your private offer to me was not very liberal
 compared with that of the English Co. which
 offered me personally 30% and the sole
 agency for their plants in the whole of Brazil!
 However you see that as I mentioned to your
 Mr Hastings, I have not allowed the question
 of commission to influence me in my
 recommendation of what I believe to be the
 best system. Letters with reference to our
 official proposal should be addressed to
 me until we put things in order, but you
 can see at once that anything private should
 be dealt with on a separate sheet. As
 you requested, I have not shown your letter
 although I mentioned the 25% discount
 which you allow to your Agents upon Camp
 fittings &c. If you accept our proposal

we shall telegraph the order at once, and the money will be sent to some New York house (probably the Bridgwood Iron & Co.) to be handed to you against bills of lading. How long after the receipt of our telegram will you require to prepare the material? I must confess that I am a little afraid of the open wires (although Mr. Edison would not hear of the slightest insulating covering) for Sao Paulo swarms with law students who continually amuse themselves by tying the telephone wires together, they might treat our wires in the same way. Could you not quote approximately for covered wires, like those employed by the arc light Co in New York? You should, I think, estimate for 1,500 temporary attachments with taps (switches) for as business is bad just now the shopkeepers probably will not care to go to much extra expense, we are, in fact, thinking of fitting up the shops free of charge at first.

If you find any difficulty in despatching

(7)

material direct to Santos, what do you think of sending it by way of England? I was informed a day or two since, that some material from the States had come by this route, and if anything the freight had proved cheaper. There may be something in it. Trusting shortly to hear from you

I am Dear Sir

Yours very truly
R. S. Davids

South America.

R. K. J.

*E. Acton, Eng. & Co.
Aust. & Galia*

G. R. JOHNSTON,

Importer and Dealer in

Toys, Fancy Goods & Fireworks,

MANUFACTURER OF

Children's Carriages, Velocipedes, Hobby Horses, Wagons &c.

43 & 45 Barclay Street.

Net. College Place & Church Street.

New York, Oct 16 1884

Mr. Edison

Sir, I had a letter from my son
Alexander P. Waugh who is now in
Brisbane Australia and he wished me
to write you to inform you of the sudden
death of your agent Mr. Smac who
operates your store, he died last month
after 24 hours illness of Consumption of the
Lungs. he also wished to be recommended
to you Mr. Laughlin whom he met
in Butte County California

I am Sir your resp. officer
Alexander Waugh

4

5775.98

$$\begin{array}{r} 1.250.- \\ 4.525.98 \\ 1.131.50 \\ \hline 5.657.48 \end{array}$$
$$\begin{array}{r} 2.900. - \\ \hline 8.557.48. \end{array}$$
$$\begin{array}{r} 8.557.48 \\ 5.775.98 \\ \hline 2.781.50 \\ 427.87 \\ \hline 2.353.63 \end{array}$$

2.781.50
427.87
2.353.63

H. Finckley
At. N. 1004

BERGMANN & CO., Inc.

4849.73

...عہدہ

4

H. P. ...
4th ...

	6	25	
	10	-	
	250	-	
	650	-	
	30	-	
			926.25
			\$5,775.98

→
Notes
4th grade 100%

Electric Light Korea.

The matter is being
attended to, will let
you know in course of
5 or 6 days with prices {

1821. "M". St. [Dr. W.]

Washington, D.C.

Nov. 11th 1884.

Mr. Thos. A. Edison.

Dear Sir,

I received yours of the
27th ultimo, and I have been hoping to hear
from you again about the plant for the
Korean Government. I wish, without delay,
to be able to inform Mr. South that the
order will be filled, otherwise it will be sent
elsewhere, I fear.

Very respectfully
Chas. A. Stone.

Pres. Edison.

El. Light-
ing
S. America

(1884)

Hon James G. Blaine

Dear Sir:

Permit me to introduce
to you Mr Milton F. Adams of New
York City, who has been entrusted
with the management of our
Department of Electric Lighting in
the Republic of Venezuela.
I have known Mr Adams
personally, and in a personal
way, of his great ability,
and his confidence in his integrity
and ability.

Mr Adams desires to open
up a line of business in communication
with Signor ^{Don} Herman Blaine,
who can greatly aid of our
business. I have the honor to be
~~well acquainted with Signor~~
~~Blaine and have written him~~
~~introducing Mr Adams, recommending~~
~~him to his consideration. But~~
~~as you are a good friend of mine~~

I am of the great
 kind of people who
 are obliged to you if you
 will give me a
 letter of introduction to
 the person in charge of
 the office.

James R. Murphy

S.A. (?)

Se desea saber el precio en Skin Book
aborda, de lo siguiente:

- 8 Maquinas Dinamo Elécticas de la mejor
construcción conocida.
- 192 Faros Elécticos, Sistema "Arc" y uno con
fuerza iluminativa de 1000 bujías
- 11 Maquinas horizontales de vapor con expansión
automática y todas las últimas mejoras y
- 11 Calderas "Cotniski" completas con ejes Chuma-
peras, Poleas, Correas y todos accesorios
- 192 Columnas de hierro fundido para faros
- 26,000 Yardas Alambres de cobre aislado de
varios grosores, una parte, en tuberías
de plomo
- 12,000 Yardas Tubería de hierro fundido ma-
chimbado, de varios calibres, con
provisión para poder probar a cada
farol

Baranguella
re Antepagina

Wants 1st

Contract book
Wants Eng to go get data
thru find out what
wanted

1884. Electric Light - Foreign - Chile (D-84-035)

This folder contains correspondence, agreements, and other documents relating to the development of the Edison system of electric lighting in Chile. Included is material concerning the construction of central stations and isolated lighting plants for individual buildings. Much of the correspondence is by Willis N. Stewart, Edison's agent in Chile.

Approximately 90 percent of the documents have been filmed. The following categories of documents have not been filmed: routine correspondence relating to financial matters and the shipment of goods; routine correspondence acknowledging the receipt of letters and cables; duplicate copies of selected documents.

Mr. Edison,

Permit me to remind you that the correspondence of
January 26th. between yourself and our Company about Chili has
not been returned by you approved. Will you kindly give the
matter your attention when convenient.

S. B. Eaton

Feb. 4th. 1884.

per Mc.G.

Tate get copy + draft

*He it please ask that if he could
kindly send a copy of fresh of approval
of Aug 15 to C*

Mr. Conlusion

I think you had better draft
the reply. I'll give you a

check for any time you desire

I don't understand that

33 To be

Take

THOMAS A. EDISON

--and--

WILLIS N. STEWART.

AGREEMENT.

Copy mailed Feb 1894

AGREEMENT made this *Smith* day of February 1884, BETWEEN THOMAS A. EDISON, of Menlo Park, in the State of New Jersey, party of the first part, and WILLIS N. STEWART, of the City and State of New York, party of the second part, WITNESSETH:-

WHEREAS the party of the first part, by virtue of a certain agreement made between him and the Edison Electric Light Company, of New York, has acquired and possesses the right to sell for use in the Republic of Chili the various apparatus, machines and devices embodying the inventions of Thomas A. Edison, and covered by Letters patent owned by the said Company, and

WHEREAS under the agreement aforesaid, the said party of the first part is authorized and empowered to license and authorize the use of said inventions for the purpose of electric lighting and generating, regulating and applying electrical currents in an electric lighting circuit for producing light, heat and power, according to the means and methods of the Edison lighting system, within the Republic of Chili, aforesaid, and

WHEREAS the said Edison is desirous of securing the services of the party of the second part in selling the said machines, apparatus and devices, and licensing the use thereof, both for Isolated and Central Lighting in the said territory.

7

NOW IT IS AGREED AS FOLLOWS:-

FIRST: The said Edison hereby authorizes and empowers the said Willis N. Stewart, as his agent, to sell to such persons or corporations as he may deem proper, upon the terms and for the consideration hereinafter stated, the various machines, apparatus and devices necessary for Isolated and Central Station lighting, and to license to the purchaser or purchasers thereof, the use of such machines, apparatus and devices within the territory aforesaid, provided however that no property is to be sold by the said Stewart, intended to be used or licensed for use for Central Station lighting in the Cities of Santiago and Valparaiso.

SECOND: The said Edison hereby authorizes the said Stewart to sell all machines, apparatus and devices intended for use for Isolated lighting at the shop or manufacturer's price thereof (i.e. the price paid for similar articles by the Edison Company for Isolated lighting), excepting however lamps and dynamos. Lamps are only to be sold at the shop price plus ten cents per lamp, and Dynamos at a sum fixed as follows, to wit ; to the shop price is to be added Twenty-five per centum thereof, and to the total thus obtained eighty per centum of said total is to be further added, the aggregate sum to be the price at which all dynamos for Isolated Lighting are to be sold by the said Stewart.

The ten cents and twenty-five per centum aforesaid

being the royalty to be paid the Light Company, and the eighty per centum, the profit to the said Edison for the entire installation.

THIRD: The said Edison hereby authorizes the said Stewart to sell all machines, apparatus and devices intended for use for central station lighting at prices fixed as follows to wit; to the price charged by the said Edison for similar property in New York, (such price being the manufacturer's price plus twelve per centum) is to be added twenty-five per centum thereof, of which increase eighteen parts are to be paid the Light Company aforesaid, as a royalty for the use of said inventions, the balance being the profit to the said Edison for the entire central station plant.

FOURTH: To the prices fixed as aforesaid, is to be added the actual cost of package and delivery on ship board in the harbor of New York.

FIFTH: It is further understood and agreed that all machines, apparatus and devices sold in pursuance hereof, are to be delivered by the said Edison, F. O. B. in New York, and the full price thereof as hereinbefore fixed is to be paid to the said Edison in New York, before shipment and the said Edison shall be under no obligation to ship any of the property aforesaid, unless such payment has been made and all property delivered on ship board shall be at the cost and risk, and shall belong to the purchaser or purchasers thereof.

SIXTH: It is further understood and agreed that the said Edison shall be under no obligation to sell any part or parts of an Isolated or Central Station plant, but shall have the option of refusing any and all orders unless they include an entire electrical and mechanical equipment.

SEVENTH: The said Stewart hereby agrees to reside and remain in the Republic of Chili during the continuance of this agreement, and to use his best endeavors to introduce and sell Edison Plants for Isolated Lighting, and form Companies and sell plants for central station lighting.

EIGHTH: The said Edison in consideration of the services of the said Stewart, hereby agrees to pay him a commission equal to forty per centum of all profits as herein stated, derived by the said Edison from sales effected through his agency in the Republic of Chili; such profits on central station plants being seven parts of the twenty-five per centum hereinbefore mentioned, and on isolated plants the eighty per centum added to the price of the dynamos as stated in the 2nd Section hereof; and hereby authorizes the said Stewart to deduct such commission from the sums hereinbefore agreed to be paid in New York.

NINTH: The said Edison further agrees to pay to the said Stewart a commission of forty per centum on all profits made by him on sales of renewal lamps effected by the said Stewart in the territory aforesaid, said profits being the in-

creased price at which said lamps are sold in Chili, over and above the price charged for the same by manufacturers in New York, plus the royalty of ten cents per lamp to be paid the Light Company.

TENTH: This agreement shall remain in force and continue for two years from the date hereof, but either party shall have the option of terminating the same, at any time upon sixty days notice in writing to the other of his intention so to do, and upon such notice being given and upon the expiration of the time therein limited this contract shall become and be void and of no effect.

IN WITNESS WHEREOF the parties hereto have hereunto set their hands and seals the day and year first above written.

Witness.

To Signature of Selim

Thomas. A. Selim (15)

John, T. Anderson

(15)

STATE OF NEW YORK,

:

: SS

City and County of New York:

:

On this *fourth* day of February, 1884, before me personally appeared Thomas A. Edison, to me known and known to me to be one of the persons described in and who executed the foregoing instrument and acknowledged to me that he executed the same for the purposes therein mentioned.

John L. Tomlinson
Notary Public
N.Y. Co.

Mr. Edison,

The Light Co. Directors approved on yesterday our arrangement with you for Chili. So that ends that. This arrangement is set forth in my two letters of January 26th. and your reply of Feb. 5th. 1884.

S. B. Eaton

Feb. 20th. 1884.

per H.C.G.

copy
Santiago Chile.
March 13, 1884.

Maj. G. H. Eaton,

Pres. E. E. L. Co.

Dear Sir,

In compliance with your request to keep you steadily informed regarding the progress of my business here, I beg to say that - after being detained at Panama and Lima eight days - I arrived here on the 5th. At Lima certain matters regarding the Patent in that country were communicated to me by Mr. Pocost, but as he has written you personally it is unnecessary for me to go into details, only remarking that Mr. Pocost seems very much in earnest, and I have no doubt but that your interests in that country are in competent hands. Mr. Pocost also made me an offer concerning the Polician business which Mr. Edison has probably already laid before you.

At Iquique - a town 600 miles north of Valparaiso and belonging to Bolivia, having a municipal revenue of 30,000 dollars per annum - I secured as Agents the leading firm in the city, and they are confident of their ability to form a company for lighting the town.

At Iquique, I also found that

two cablegrams had been sent by our Stockholm agent asking the name of Mr. Edisons agent, and at another time Dr. Demorest, the gentleman who called on me regarding the business, came on board to accompany me to Valparaiso and give me the latest news. I also discovered that he had a code cipher code in his pocket by which to communicate with other stockholders in Santiago, the object being a raid on Gas shares. I gave him no satisfaction. In Valparaiso I was met by another stockholder Mr. Spencer and at 11 o'clock at night all my former employees here came in a body to meet me at the station.

I shall today only endeavor to give a brief outline of the situation as I found it here, desiring to be very guarded in my statements and intending to support everything I may say by affidavit from the parties interested.

It was found soon after my departure that the effort to organize a large company was a sham, no real movement having been ^{made}, and the man ostensibly interested in the work was a private agent of Ed Kendall & Co. The facts obtained by him from and facts were taken immediately to the Gas Co. When this business came to light our stockholders called for a statement of the affairs.

of the Company. This was refused until it became known that Mr. Edison's representative was on the road, and then only furnished two days before my arrival.

The stockholders have repeatedly asked if no instructions had been given from New York regarding this business, or regarding the Gralle Contract. It was always stated that no instructions of any kind had ever been received.

It has been stated by the firm that letters between me and the Company in New York had been intercepted, such letters placing me in a very bad position, the lawyer is attending to this matter.

All funds necessary to run the Cautiga Station have for months past been furnished by the stockholders, not one cent coming from Valparaiso.

The stockholders called for liquidation as the least of two evils. They are confident of success if clear of C. & G.

The trouble at Dona Casimira's occurred late in the afternoon of her birthday, all the best people of Chili were present at a great ball in the evening. The boiler was found to be bad a little before dark, 3,000 candles had to be used. It is almost certain that somebody bribed the engineer. I propose

to find out who

Two partners of E. K. & Co. came in the same train with me to Santiago, and spent the whole of Sunday in consultation with Gas Co. officials and ^{for} stockholders. They never spoke to me, although at the same hotel.

In short it is certain that a suit for conspiracy against E. K. & Co. would, with present evidence, stand a fair chance of success. I say nothing of countless rumors that are heard, but only send you positive facts.

It is needless to say that our stockholders sustain me in an effort to reorganize things, recognizing that I only act as representing Mr. Edison, without any powers from him.

They also believe that in the future we shall do a splendid business here, and seeing the splendid way the light is sustained here by consumers. I must agree with them. They have positively assured me that for the next six winter months the station will more than pay its running expenses, & Mr. Watso agrees no the same; this shows that there is no necessity for closing its doors.

During this six months we have an opportunity of making a genuine effort

to form a Co. first getting rid of the odium of the Kendall incubus, which at present paralyzes all effort. Assuming that if all of us here are willing to make an honest effort to organize a new Company, You and Mr Edison will give us reasonable aid, the stockholders have agreed to present a document to Kendall & Co. which shall, more or less, contain the following demands:

A full statement of actual condition of present Co. must be made at once by E. K. & Co.; copies of all instructions sent the same firm by Nathan Chauncey or yourself in regard to this business shall be furnished; copies of all contracts made by E. K. & Co. on electric light business shall be furnished; a committee of two stockholders shall be appointed to settle the amount of debt due E. K. & Co. from Co. with power to name referees in case of dispute; * the present stockholders agree to so provide for the house here that the title shall clearly rest in the Co; permission shall be asked from you to regularly organize the present Co. into a legal society, the capital stock of

* (Enormous overcharges exist.)

(6)

which shall equal the total of the present shares, the debts the house, and 30% in shares to be paid you for privilege, & 10% in cash or future increase of Capital, all other provisions of Gralle's contract to be accepted, & debt to Kendall & Co. shall be either a lien against the new Co. on which interest at 6% per annum shall be paid, or they shall accept fully paid shares in the new Co. in payment; in either case, having forfeited rights to any commissions by gross mismanagement, they shall expressly resign any right to such commissions either from you or from present stockholders; Mr. Edison to be asked to give up all rights to isolated & village work to the new organization without payment, I am to be asked to take charge of all business & give the Co. the benefit of my recent experience in New York, and to do my best to carry the whole matter to a successful conclusion.

It should be understood by you that these propositions have ^{been} entirely drawn up upon my personal responsibility after consultation with the stockholders, & that they have unanimously accepted them as embodying their views. It will be

(7)

noted by you that by them Mr Edison and myself sacrifice the very valuable concessions granted us by our contract; but I urge your and his acceptance of this arrangement because it does no injustice to Messrs E. & G. and at the same time is a measure of equal justice to those men who have supported our enterprise by their money and their exertions and good will, more, it is justice to our consumers, who pay their bills, like our light, & have spent large sums to introduce it.

you
While this arrangement gives no immediate return, I will explain my grounds for believing that it is best for you in the near future. The present situation is nearly or quite self-supporting. Add the income from isolated work (a business that is sure to develop at once and far beyond my expectations) and we can pay a dividend. A dividend is all that is needed to enable us to organize a Co. with one million dollars capital. In this event you get, at first, more or less \$90,000 in shares, and afterward when \$200,000 is added to the capital, \$20,000 in cash, also the 10% on other cities and lamp royalty.

If Kendall & Co. and yourself and

(8.)

Mr Edison accept this arrangement I am sure that we shall soon settle the whole question, if not my friends Mr Lang & Prof Zenger have joined with me and contributed \$10,000 cash to work my contract with Mr Edison leaving Santiago to its own devices. The contract with Mr Edison is more valuable to me by far than the foregoing arrangement, but I hope, as a matter of personal pride and honor that you as well as E. B. H. should help us through. Another question has arisen not anticipated by me. My right under the contract with Mr Edison to take charge of existing isolated plants is questioned. I have always understood that the Santiago Co. only had privilege for its central station work, and that my contract now clearly states that all isolated work in Chili is turned over to us. As serious mistakes are being made at Mene/ Cosinas I have been obliged to disclaim all responsibility for work done there against my orders, as somebody will have a heavy bill of damages to pay when the specter what is going on in her art gallery. A cable message to E. B. H. stating that "Stewart's right covers existing isolated plants," will settle the matter if I am right in my

(9.)

interpretation of our contract. Mr. Ogalle's position is this, he did not like the Boster incident, and while having full confidence in the business, he proposes to keep clear of the whole matter so long as E. B. G. are connected with it; in case of a liquidation he will come to the front. I saw him the day after my arrival, but he has now sailed for Europe, leaving his Power of Attorney with his business manager. He is sure to aid us in case of E. B. G. giving up the business. You must also bear in mind the fact that if E. B. G. accept the above offer, you gain all commissions due to them, and of course are thus enabled to do better by us.

The contract given to Mr. Ogalle has never been seen by our stockholders until my arrival. The provisions are accepted in the main, but some object to the terms of the 8th article, providing that 20% of all preferential charges shall be paid to the Light Co. if such charges are created. They do not object to your control or right to say whether or not such charges shall be created, but they say that if you consent to such a loan you should expect no part of it. Full information on this point should be given me.

I find that on the whole, Mr. Materis has done very well here, so far as the station is concerned, and that he is disposed to aid us in any way. I may only say that he has not introduced 10 candle lamps although a large stock is on hand, and in spite of the fact that a 10 candle lamp in this clear climate is as good as a 16 candle at home. If we arrange matters I shall use them almost exclusively, and thus gain 25% in light from the same horse power.

I hope that yourself and Mr. Edison - to whom I send a duplicate of this letter will carefully consider all that I have written and notify me by cable whether or not there is a possibility of your accepting its provisions. If so, I shall only be too glad to go ahead with my contract with Mr. Edison, assisted by my friends, and develop the business, leaving Santiago to take care of itself.

Cable words to come above arrangement are sent to Mr. Edison.

The stockholders have unanimously asked E. K. & Co. to give me an office in the station. But they take no notice of the communication.

At present orders exist for more than 1000 lamps inside a radius of half a block from the station.

(11.)

Once give security of a continuance
of work & the number will be
doubled as new hotels, &c, are now
being constructed in the neighborhood.
It is important that I should be
kept informed of improvements,
new companies, &c.

Yours Truly
M. N. Stewart,

Care of
Edison Electric Light Co.
San Diego.

M. N.

I enclose various newspaper
articles relating to Edison Light in Cali.

Santiago, Chile,
March 14, 1884.

Mr. Thomas A. Edison,

Dear Sir:- I have drawn up a complete statement of the situation here for Maj. Eaton at his request, a copy of which I send you. The station ~~was~~ will pay all its expenses here-and perhaps more-commencing with this month, but will run behind a little in the summer. But as no 16 candle lamps are yet in use it seems to me that by putting them in place of the 16 candle we shall get about 25% more cash and so earn a dividend. Finding, therefore, that no real reason exists for closing this station except the gross and criminal (I mean it) mismanagement of the agents, I feel bound in honor to make an effort to save the business, & have therefore proposed the terms contained in my letter to Maj. Eaton, and ask your careful consideration. If you all accept and it is found

possible to get rid of Kendall & Co.,
 I guarantee to get one million
 dollars here before 6 months ex-
 pires, and also do plenty of
 business elsewhere.

If not, our contract is a valuable
 one. I shall send you orders for 5
 machines in two weeks, & the
 cash. Prof. Jagers and Lang have
 joined me & put up \$10,000
 capital, so we shall have shot
 in our locks, & keep one or two
 machines & certain supplies on
 hand, always ready for business.
 My coming creates a great sensation
 & the announcement that you
 will run the business, at once
 creates confidence. Prof. Jagers is
 immensely pleased at your gift
 of the Phonograph, & will acknowledge
 the same when it is received.
 Victoria Mackenna is out of town.
 Clark is on hand as my assistant,
 & says that he still sticks to
 Edison. A husband has popped in
 a Boston crowd on a telephone
 deal, and is making large
 calculations. We are arranging
 to light a small theatre here
 (where I made the first exhibition)

(3)

and if successful there get the
new theatre in Valparaiso with
1000 lights and the Opera house
with 1200.

I send also extract from this
mornings newspaper, and a
photograph of some of our
Chilean flowers. Don't let the
boys get hold of it, or they
will all be packing their
carpet-bags.

In whatever way this business
here may be arranged, I am
sure that we can not do work
and on a large scale.

Please let me know of all
improvements, & especially should
I have a list of all new contracts
made, to stir up people here.

I remain,

Yours Truly,
Wm. H. Stewart.

Edison Electric Light Co.
Santiago.

Santiago, Chile,
March 21, 1884.

Mr. Thomas A. Edison,

Dear Sir:—As our meeting of stockholders called to consider the propositions embodied in my letter of March 13, a copy of which I sent you, has been postponed until ~~April~~ the 25th inst., there is very little new to communicate. We have secured from the books of the Gas Co. a complete record of all transfers of Gas shares made in the name of Ed. Kendall & Co. since we started here, and will send you certified copy with other documents of interest.

We are advised that Kendall & Co. will not accept the very reasonable offers made them, but will insist upon an immediate settlement and close of the Station. An examination of all the legal documents in the case shows that a suspension of work cannot be forced under six or eight months, and during this time our stock-

Holders will keep the thing running. We expect to furnish the Parent Co. all necessary proof of gross mismanagement here, which - we hope - will result in the appointment of new agents or a transfer of powers to a Board of Directors. Once relieved of C.K. Co. we can get all the money we need.

In the meantime I am hard at work on isolated estimates, & shall do plenty of work. I have made an estimate for a temporary plant in the Municipal Theatre here, of about \$28,000, and it is quite probable that I shall get the order. Three towns are now being canvassed for Village plants, & I hope for success in one or more. I am better and better pleased with the prospects here daily.

Yours Truly,
 Wm. Stewart.

Santiago, Chili
March 28th 1884

Mr Thomas A. Edison,
#65 5th Avenue,
New York,
U. S. A.

Dear Sir,

Please send me
Twenty five (25) Canvassing Books
bound in leather like sample given me.
I cannot get them made here for
less than one dollar each, and think
I can do better by ordering from you.
Send by Fast Freight,
marked W. S. S.

Valparaiso

Yours Truly,

W. S. Stewart.

P.S.

I mail you to-day
Cable Key Book.
Also enclose Memorandum regarding
Chili Cable Key.

Santiago, Chile,
March 28, 1884.

Mr. T. A. Edison,
New York:

Dear Sir:- Everything
opens well for business here. I am
very busy with preliminary work, and
in answering many inquiries by
mail, &c., about machines. I send
you herewith copies of my letter
of to-day to Maj. Eaton, and of
the printed matter I am circulating.
The local trouble is in a most fearful
mess, but I shall be able to put
them right in time.

I sign a contract to-day with Pegas &
Lamy, whereby I have a credit of
\$1,000 at Citades Bank. I find no
way of cabling you money at present,
but may arrange it with some local
or Valparaiso commercial house. If
not, I will mail you draft on
London when order is cabled, so that
you get cash in 30 days. I will also
keep a small balance in your
hands to cover orders for small
plants.

By next mail I shall send a draft
of \$700 to pay for material which we

propose to keep in stock for emergencies. I cannot get the cash in time for to-day's mail.

The Bush-Swan people are starting in Valparaiso, & will do us great harm. I believe that with a certified copy of the German patent decision & points upon which it was made I could shut off all sword lamps, as patents are strictly guarded here, & yours is good if the Swan lamp is an infringement. Please advise me regarding this, at once.

I have several good agents at work, with fair prospects of securing some village plants.

I remain,

Yours Truly,

Wm. Swanwick

My contracts have not yet arrived, a fact which causes me some inconvenience.

Copy

Santiago, Chile
March 28th 1884Maj. S. J. Eaton
Post. E. C. L. Co.
Dear Sir,

A meeting of the stockholders of this Co. was held on March 24th, the call of which specified that the agents should furnish a detailed statement of the financial condition of the Co. Copies of all instructions regarding the formation of a new company sent from New York, and copies of any and all contracts entered into on account of the Company.

It is needless to say that no satisfaction was given on either of the points. The financial statement shown was incorrect and acknowledged to be so by Mr. O'Leary, as only \$726.00 was charged to street mains costing over \$12,000.00. Mr. O'Leary stated that no instructions regarding the formation of a Co. had been given from New York, and none in relation to the O'Leary contracts, and that no contracts of any kind had ever been made on behalf of the present Company.

(2)

Our stockholders were as wise when not finished, as when we commenced. I was asked to explain the situation in New York, but Mr Opley refused to acknowledge my presence officially, as my contracts have not yet reached here. I stated, however, that the telegram sent here was in error, as it expressly stated that a representative of the Light Co had sailed, instead of a representative of Mr Edison, & that I had no powers regarding the settlement of this business here, except to offer my services on behalf of Mr Edison to all parties interested to arrange a settlement if possible. The stockholders & Mr Opley have therefore asked me to make certain suggestions, which I enclose for your consideration. They are practically the same spoken of in my letter of March 13th.

The programme is to give Kendall & Co a chance to accept or reject these propositions. If they accept, the reorganization will be made, and Prof Rogers and myself deputed to raise the capital stock to \$500,000, which we will undertake to do. If the proposition is rejected, I shall have powers of attorney

(3)

given me by the stockholders to force a settlement with E. K. & Co. In this case the first step would be an injunction restraining them from interfering with the station and the appointment of a receiver, then the contract between E. K. & Co. and the stockholders would be shown to be invalid, as it is badly drawn up and illegal in more than a dozen of its provisions. It also had to be ratified by all stockholders, and this has not been done. What should also show maladministration, bad faith and collusion with the Gas Co. There is no lack of evidence.

I have nothing to say about the station except that it is very easy indeed to make it produce \$1000 per month over its expenditures, & that injudicious extension of mains beyond the points to which they were calculated, has made such a bad drop on the lamps that the coal consumption has doubled for an equal number of lamps. 16-candle lamps are invariably used, but only give about 10 candles on account of the fall on conductors.

There is a large stock of 10 candle lamps on hand, and they are exactly

(4)

what is needed here, but they are not used.

Messrs Kendall & Co have been asked to furnish you the books so that in company with Mr Noel West, the best business man in Stockholm, they might be revised and a statement made. This has not been done. As action must be taken before April 7th, at which date all contracts expire, the Stockholm have agreed to pay one half the deficit in running expenses, until that date, if you (the Parent Co.) will pay the other half, or, in other words, extend your cable offer some 12 days. This I am assured you will do.

In the mean time we are waiting developments.

I Remain
Yours truly
signed H. N. Stewart

LUZ ELÉCTRICA POR INCANDESCENCIA

SISTEMA EDISON

El abajo suscrito, habiendo sido nombrado único i esclusivo agente de TOMAS ALVA EDISON en la República de Chile, recibe órdenes para la implantacion i venta de sus invenciones sobre produccion de Luz, Calor i Fuerza Motriz par medio de la Electricidad.

Se encarga del alumbrado de ciudades i aldeas por el sistema de una estacion central;

Del alumbrado de molinos, establecimientos industriales, buques, teatros, minas i casas particulares;

Del alumbrado de calles, plazas o cualquiera otro espacio por medio de poderosas lámparas.

Tambien se compromete a establecer los aparatos destinados a la produccion i trasmision de fuerza motriz, sea cual fuere la forma que se exija.

Encargase asi mismo de hacer venir e instalar las siguientes máquinas:

Motores de vapor de Armington i Sims;

Fonógrafos parlantes de Edison muy perfeccionados; i

Motores eléctricos de Sprague.

Se garantiza en todos los contratos la economía i sencillez de las manipulaciones, i los precios serán muy reducidos.

Todo pedido o esplicacion serán dados en el acto, por escrito o verbalmente, dirijiéndose a

W. N. Stewart,

Representante de T. A. Edison.—Calle de la Merced, 77

SANTIAGO

LA LUZ INCANDESCENTE DE EDISON

PRESENTA LAS SIGUIENTES VENTAJAS:

Es la luz artificial mas económica.

Es mas brillante que el gas.

Es tan tranquila como la luz del sol, jamas titila.

No emite calor.

No puede viciar el aire.

No produce olores desagradables.

Es benéfica para la vista, no hace daño como el gas.

Es la mas hermosa de las luminarias conocidas.

Es perfectamente segura, porque no puede producir incendios ni en las sustancias mas inflamables.

No es explosible.

No puede ocasionar la muerte entrenando, como tan a menudo acontece con el gas.

No puede producir choques violentos en nuestro organismo, como sucede con la luz eléctrica de arco.

Da a los colores sus tonos naturales.

Se la puede colocar en la posicion que se desee, utilizando con perfeccion todos los rayos luminosos.

Se la puede emplear sea cual fuere el local, i en todas condiciones: bajo el agua, en depósitos de materias explosivas i en bodegas de alcoholes, con perfecta seguridad.

Es imposible hacerla titilar o que el viento las apague.

No exige el empleo de fósforos.

Se la puede vigilar facilmente.

Como cada luz es independiente de las demas, todas o la que se desee, pueden iluminarse o apagarse instantáneamente; de tal manera que:

Puede servir como un medio perfecto de alarma en una poblacion.

Es el único sistema completo en todos sus detalles i que puede garantizar la verdad de sus privilegios.

Es el mas económico sistema no solo en cuanto a la instalacion, sino tambien para las operaciones de mantenimiento.

No exige operarios especiales.

500 B

DE OPERACION DE LA LUZ ELÉCTRICA DE EDISON

COMPARADA CON GAS, ACEITE I VELAS

90 QUEMADORES DANDO LUZ DE 900 VELAS POR TRES HORAS DIARIAS CALCULANDO EL MES DE 28 DIAS

LAMPARAS DE EDISON

A dendera ha vapor. Costo de maquinaria, alambre i compostura.....	8	2,600
--	---	-------

GASTOS DE OPERACION

Se fuerzas de caballo a 4 pares de carbon por caballo por hora a \$ 7 la tonelada,			
en 28 dias andando 3 horas diarias.....	4	16	16
12 lamparas nuevas, cada una \$ 1.70 garantizada la duracion por 600 horas.....	12	20.40	20.40
Interes de \$ 900, pague a 6 por ciento anual.....	3	3	75
Depreciacion de la maquina 1860 pague a 5 por ciento anual.....	18	18	13
			75
Total de los gastos por 60 lamparas por 28 dias.....	8	52	60
Si hai aqui, los gastos suran menores.....			62
			62

GAS SEGUN EL SISTEMA DE LAS CIUDADES

Cada quemador dando luz de diez velas consume 4 pies cúbicos. 90 quemadores por 3 horas darían luz por 28 días consume 36,720 pies cúbicos a \$ 3 al mil.	\$	00	73
Interes sobre capital invertido 600 pesos a 6 por ciento.....		3	00
Quemadores nuevos.....		1	00
Total de los gastos por 90 quemadores por 28 dias.....	\$	04	72
" " " " " " id.....		1	05
" " " " " cada noche.....		02	

ACEITE DE PARAFINA

[illegible]

VELAS DE COMPOSICION

900 vols cada una en precio de 5 centaves.....	8	45
Cada noche por 28 dias.....	"	1,200

RESÚMEN

La luz eléctrica de Edison por 28 días.....			
Gas	" " "	8	52 00
Parafina	" " "	"	94 75
Velas	" " "	"	90 71
		"	1200

NOTA.—Todos estos cálculos toman por base igual cantidad de luz.

Representante de T. A. Edison, Santiago, calle de la Merced 77.

W. N. Stewart:

LISTAS DE LAS ESTACIONES CENTRALES

DE LA

LUZ ELÉCTRICA DE EDISON

CIUDADES	PAISES	NÚM. DE LUCES
Nueva York.....	Estados Unidos.....	12,000
Londres.....	Inglaterra.....	2,000
Rotterdam.....	Holanda.....	4,000
Santiago.....	Chile.....	2,000
Milan.....	Italia.....	6,000
Newburgh.....	Nueva York, Estados Unidos.....	1,600
Auburn.....	".....	1,600
Brockton.....	Massachusetts.....	3,200
Fall-River.....	".....	3,200
Worcester.....	".....	3,200
Lawrence.....	".....	5,000
Danbury.....	Connecticut.....	1,040
Williamsport.....	Pennsylvania.....	3,200
Shamokin.....	".....	3,000
Hazleton.....	".....	1,000
Bellefont.....	".....	800
Mount Carmel.....	".....	500
Sunbury.....	".....	500
Piqua.....	Ohio.....	1,000
Tiffin.....	".....	1,000
Middletown.....	".....	600
Davenport.....	Iowa.....	1,000
		37,300

EN CONSTRUCCION

Nueva York.....	Segunda estacion.....	60,000
".....	Tercera estacion.....	90,000
San Louis.....	Misouri, Estados Unidos.....	8,000
Louisville.....	Kentucky.....	8,000

437 Máquinas particulares con lámparas 126,354

W. N. STEWART.

Representante de T. A. Edison, Santiago, Calle de la Merced 77.

LUZ ELECTRICA DE EDISON.

V. N. Stewart, ingeniero y asistente ajeno de Tomas Alva Edison en la república de Chile, al honor de informar al público que con esta fecha ha concluido al señor **Arturo E. Salazar** para que lo represente en el mismo carácter en toda la provincia de Valparaíso.

Santiago, marzo 22 de 1884.

LUZ ELECTRICA POR CANDENCIA, SISTEMA EDISON.

El abajo escrito, en representación del señor W. N. Stewart, recibe órdenes para la instalación y venta en la provincia de Valparaíso de los inventos de Edison para la producción de luz, calor y fuerza motriz por medio de la electricidad.

Se encarga del alumbrado de ciudades y aldeas por el sistema de una estación central, como en Santiago:

Del alumbrado de edificios, establecimientos industriales, buques, teatros, minas y residencias particulares;

Del alumbrado de calles, plazas o cualquier otro espacio por medio de poderosa lámparas.

También se comprometo a establecer los aparatos destinados a la producción y transmisión de fuerza motriz, sea cual fuere la forma que se exija.

Requiere así mismo de hacer venir e instalar las siguientes máquinas:

Motores de vapor de Armstrong y Sims;

Motografos parlantes de Edison, muy perfeccionados; y

Máquinas eléctricas de Siemens.

Se garantiza en todos los contratos la economía y sencillez de las manipulaciones y los precios serán muy reducidos.

Todo pedido o aplicación será atendido por escrito o verbalmente, dirigiéndose a

ARTURO E. SALAZAR.

187-Santiago 22

Calle O'Higgins número 100.—Oficina del correo número 69.

Valparaiso, Chile,
April 1, 1884.

Mr. F. A. Edison.

New York.

Dear Sir: Our Chief
Engineer, Mr. Mark Lawrence, whom you
~~know~~ has concluded to turn his back
upon the seductions of life in a foreign
land and leave some Chile Florus to
blow and bluish usen, and comes
home via San Francisco. He will present
this letter & tell you about affairs here
and about the Santa Rosa, of whose
dynamo he promises to look after
on the voyage. Of this ship I will
write later myself.

Mr. Lawrence should be kept in the
electric light business. He has at all
times and under all circumstances
been faithful & competent, and we
~~shall~~ miss him very much here—
all of us. I hope you will see that
he has occupation, as a personal favor
to me.

Business is booming; look out for a
dozen orders.

Yours Truly,
Wm. Stewart.

Autobiont says this was immediately
you have heard of it

Refd to Mr. J. A. Edison for
information remedial remedies
TAE Santiago, Chile,
April 4, 1884.
Mr. J. A. Edison, Return
New York.

Dear Sir: - The steamer
Santa Rosa recently arrived in Val-
paraiso, and after she had been there
a few days I heard that some-
thing was wrong with her dynamo
and that they had had no
light on the voyage. I immediately
went to Valparaiso with Mr. Clark
and went on board. The Chief
Engineer met me & said there was a
little something wrong, but that
at night he would start up &
let me see the trouble. I told
him I had your order to inspect
all steamers with your lights on
board, & that I did not come
there to wait until night to
find out the trouble. He then
took me to the dynamo room.
I'm running the dynamo in New
York with an overload, the commuta-
tor had been badly cut (as so claimed
by Engineer), and it had been
turned down on board. This job

was well done. The screws holding the wires to the resistance box were both useless, and the connection was bad - so bad that the machine could not work. If Bergmann cannot put a binding screw on these boxes that will last half an hour we should pay damages in a case like this. These screws were $\frac{1}{4}$ in. long, and what little thread had ever been cut on them had long disappeared.

On the dynamo every connection was loose, those of the flexible conductors from brush bar to main particularly so. I am inclined to think that they had never been properly screwed up.

The brush holder bars were set at a wrong angle, so that when the brushes and springs became worn, the brushes would not touch the commutators.

The machine and main circuits were nearly grounded.

All the lamps suspended from monkey sockets were either loose or had fallen out. In consequence dozens of plugs were burnt out.

I did not find a single plug in the ship screwed up tight. The men said that Rader had made such a bad job of the ship that everything worked loose. I think that they had never been screwed up in the first place.

Plugs were all badly oxidized, & many grew so hot that they could not be touched. Switches, sockets, etc. all oxidized.

Some globes were full of water. The projectors, etc. for Captains use were all broken; in fact everything that had a key socket was more or less out of order.

Not enough extra brushes were furnished, and those sent were badly bent up.

My opinion was that the engineers had put up a job not to run the dynamo, & this was the Captain's opinion. The Chief finally admitted this to me, then went & got so flush that he had to be put to bed.

Clarke & I worked hard all day on the ship, & finally got nearly

everything lighted up. The men on board could have done the same thing if they had cared to. In the evening I had on board, as my guests, the Governor of the Province, the Municipality of the city, agents of the steamship lines, newspaper men, etc. They inspected the ship, took champagne at my expense, & were highly pleased. Their visit will be a great help to me in Valparaiso.

Morals - Some socket connection must be devised that will hold a lamp at sea.

Resistance for binding screws are no good as at present made.

Send more extra bushes for long voyages.

Some better plug connection must be devised, or some ship will burn some day.

This little trip cost me \$75. I make no charge, Marston, as it is all in the business.

Yours Truly,
W. K. Stewart.

Santiago, Chile,
April 6, 1884.

Mr. T. A. Edison.

New York.

Dr. Sir: The Bush-
Swan people are working the usual
swindle in Valparaiso, & doing us
great harm. We can do a better
business there than in Santiago.
Your patent here broadly covers a carbon
filament in vacuo, attached to two
leading-in wires, as well as other
points. I can get a permanent
injunction, if supplied with powers.
Such power should be a special
one for authority to prosecute in
your name all infringers of your
lamp, at my expense. Power
must be attested & notary's sig-
nature certified to by the Chilean
Consul. A new Consul has recently
been appointed & can readily be found.
Please send by return mail.

Yours Truly,

Wm. Stewart.

Give this to Tomlinson -

Dyer probably may give him the
dates &c patents - Should send
Docs at once

Better send one of
our men, - ~~not~~ who's

Santiago, Chile,
April 6, 1884.

Mr. P. A. Edison,
New York.

Dr. Sir:- It is very prob-
able that I shall have some orders
for Village plants at an early date,
as some towns are now being can-
vassed, while applications are on file
for six more. In this case I need
a competent man to supervise the
electrical work - one who can be de-
pendent upon to stand the tempta-
tions of this country. It is not
necessary that he should be an
engineer, as I have good men to
place in charge of every station.
I should like to have my friend
Mr. Charles West selected for this
position. He is competent, faithful &
one to be depended upon. But it
is necessary that he should have
some experience on Village work. I
therefore write to ask if you can
give him a chance on overhead &
underground work until such time
as I am ready to start. He will
come for small pay to learn. If
he could start at once I am sure

(2)

he would soon be competent, and
I can keep him permanently em-
ployed.

Please advise me if you can do this.
I shall have map & specifications of
Chillon - a large town - ready for
next mail. Money is also being
subscribed in Valparaiso, about which I
will write later. Quillota has the
money subscribed for a gas company, &
proposes to change to electric light.
Arica is almost ready, & all
municipal privileges granted.
Mr. Wink can be addressed care of the
Chicago B. if you want him, which I
trust you will.

Yours Truly,
W. N. Subart,

Santiago, Chile,
April 9, 1884.

Mr. Thomas A. Edison,
New York.

Dear Sir:- Please
find enclosed copies of contract
with my signature, witnessed by
a notary.

The duplicates forwarded me are
useless here, because not certified
by the Chilean Consul in New
York. Will you therefore kindly
have copies made & duly certified,
as it is important that my papers
to sell isolated and village plants
should be in legal form. In the
meantime I retain the copies
sent me as being useful until
the new ones arrive.

Please let me have the certified
copies by return mail.

Also, please inform me as to what
price I shall charge for lamps in
village plants. I pay 60x10 = 70cts.
in N.Y. for 10-candle; or 7/10 in
Chilean currency. We sell isolated lamps
@ \$1.75.

Yours Truly,

W. A. Stewart.

Charge 75c -
They cost 50x10 - 5

Plan for the Reorganization of
The Edison Electric Light Co.
of Santiago

1. A Committee of two stockholders shall be appointed to arrange a settlement with Messrs. Ed. Kerpall & Co. as to the amount due that firm. In case of dispute, two parties to be named, their decision to be final.
2. When the amount of indebtedness has been determined the present Company shall be organized into an anonymous society, the Capital Stock of which shall consist of the following items:
 - (a) The present Capital Stock of \$12,000.
 - (b) The cost of the house, Calle Morand.
 - (c) 30% in shares to be added to the total to be paid the New York Co. for the privilege.
3. The present shareholders shall receive fully paid up shares in the anonymous Society in return for the shares of the present Company.
4. The house in the Calle Morand shall be hypothecated for its cost at the bank of G. Matte & Co.

(2)

5. The machinery, &c, of the existing plant shall be hypothecated to Ed. Kendall & Co. as security for the sum due them.
6. It must be expressly agreed by Ed. Kendall & Co. that they will relinquish all claims for commissions, both from the present shareholders and from the Company in New York.
7. In consideration of this arrangement the Edison Electric Light Co. of New York will be asked to accept 30% in shares of the new Company as compensation for all its rights in Chili; it being understood that all the other provisions of the printed contract herunto annexed (known as the Oralle Contract) shall be accepted by the new organization.
8. When this reorganization shall have been completed, Thomas A. Edison agrees to surrender all the rights in Chili which he has purchased from the New York Co. without other compensation than the payment of all expenses incurred by his representative in developing the isolated and village business.

7. Mr. Edison agrees to use his exertions with the New York Company to secure reasonable modifications of the printed Contract, if so requested by the shareholders.
10. When the organization of the Co. is complete, an immediate effort shall be made to increase the Capital Stock by a sum sufficient to provide for an increase in the capacity of the present station. If such a sum is secured, Mr. Edison agrees to furnish a plant adapted to the needs of the business at cost price, and contract for its creation.

Santiago, Chile
April 9th 1884

May' S. B. Eaton,
Priest, E. C. L. Co.
Dear Sir,

I have arranged
with Messrs. Kendall & Co. and our stockholders
— from a large majority of whom I hold
power of attorney — to run the Santiago
Station for six months and pay all
expenses. Before that time, I shall make
it pay dividends and also organize a
large Company, but I must meanwhile
face a loss of from \$1,000 to \$3,000.

My contract with Mr. Edison gives me
all the business I want, and the closing
of the Santiago Station would not hurt
me at all, as the people here understand
what has been the trouble in Santiago.
But knowing that a little effort and hard
work here will save the whole business
and give us all a profit — if we all
sacrifice something — I make the following
proposition.

1. The Edison Electric L. Co. of New York
will allow me to organize a new Co.
with one million dollars capital, paying
25% shares, 5% cash, 5 cts lamp

(2)

- royalty, 10% on all increases of Capital,
and 10% on all local companies;
other provisions same as Gralle Contract,
unless you may modify section about
20% to be paid you on all mortgages &c.
- 21- You will pay \$2000. or so much
of that sum as may be necessary, to
keep the station running, if receipts do
not amount to as much as expenses.
- 3- With this aid, I pay all expenses,
add 600 lamps to present machines
(easily done), pay 6% rent upon
cost of house (\$94,000-) and give
my pledge to organize a large Co. in
24 months.
- 4- The stockholders pay E & H Co. 6%
interest upon all other sums due.
E & H Co. land receive shares in the
new Co. in return for present holdings.
- 5- E & H Co. surrender all commissions
due them from you and stockholders,
and relinquish all control of the
business.

These conditions involve a
compromise all around, if accepted,
you may look for good results.
The \$13,000. or any part of that sum
which you may have to furnish, may
be deducted from my commission.

(3)

for forming the large Company if you
so desire, this is my evidence
that I believe in the future of the
business in Chili as elsewhere.

This offer supplants all previous ones,
and is approved by all in interest here.

I am very busy on a large theatrical
job and cannot go into long explana-
tions.

If you approve above, please cable
Stewart, Santiago, Chili, Tropical,
If you reject, do. Trilling.

I also send you a letter originally sent
in N.Y. by a stockholder named Demorest,
I ask for it a careful perusal, and I
think you will agree with me that it is
the work of an honest man. This letter
passed me on the road and had been
returned to me.

signed

Yours Truly
W. N. Stewart.

for
in de
at

Santiago, Chile,
April 22, 1889

Mr. Thomas A. Edison.

Dr. Sir: I send to-day
plan of the city of Chillan, which
plan also contains the canvas of
lights actually burning, as indicated
on the margin. The accompanying
documents specify the materials
necessary to be sent from New
York and on which you are to
estimate. I also send the Engineer's
report, showing cost of various materials,
etc. which are purchase here.

Chillan has a population of 22,000,
mostly very poor; the town is a growing
one, however, & has many new
buildings in construction. The plan
shows only the centre of the town,
and it is very desirable that we
should run conductors on most of
the streets therein shown, bearing
in mind that we can get a price
equal to gas at \$5.-, with coal at
6, and labor 40 & 50 cents per day.

The town is now lighted with oil,
& more lamps will be used if the electric
is introduced.

I enclose cable words to give prices

of material for either 500 or 600 light station. We can probably get the capital necessary, start with 500-light plant, & increase if necessary.

After cabling the estimate, please send me plan by mail, and also an estimate of the details of the plant according to my schedule. As soon as I close the contract I will cable so that the material may be got ready, & at the same time remit for its cost by draft on London.

As this town is in the centre of a rich territory, please make the prices as low as possible, as success here means more work.

I expect to charge 10 cts. lamp royalty in all these towns in addition to the 10 cts. paid the Parent Co. so as to give us a continued income.

In Vina del Mar we have half the capital probably necessary already-subscribed, & I send plan by next mail.

Yours Truly,

W. V. Howard.

P.S. The average burning of lights at Schillan is from 3 to 3 1/2 hours nightly.

500
600

lights.

Chillan (Chile).

Estimates should include the following items.

B. & W. Boiler, without setting, materials or bottom foundation, or masonry.

Pumps.

Lifting Injector.

Heater, without foundation, etc.

out JAW

Stack & geyring, estimated upon here.

A. S. Engine, foundation cap & washers, bolts & pipes. Without erection.

2 Dynamos.

2 Belts.

1 Set oil cans & tray.

Oil Cabinet.

Minute Glass & Speed Indicator.

Vise, files, wrenches, Hammer, cold chisels, scrapers, screwdrivers.

Steam & exhaust pipe, valves, etc., for 500-hp plant same as plan #100, & for 600-hp plant of similar arrangement.

No covering for steam pipe, use a native article here costing little.

Bank of Hot Lamps.

Regulators.

Gauge Indicators, feeder switches, etc.

Equalizers, etc., etc.

Meters:

50 for six lights. 10

25 " twelve " 10

8 " twenty-five " 10

Extra plates, covers, bottles, etc. & mitts.

Balance, scale, thermometer, hydrometer.

4 Bottles, 1 Gallon, & 2 graduated 8-oz bottles.

25 lb. Zinc Sulfate.

5 " distilled mercury.

4 oz. Marine Glue.

Sealing tool & 500 seals.

(Send no meter materials other than above named.)

Fixtures.

10 " V2 - 2-ct. Brongd.

10 " V7 - Brongd.

10 " V1 - 2-ct. "

10 Keys #208.

2 V35 - Pol. Brass - 2-ct.

2 V36 " " "

2 V87 " " "

10 V41 Bracket - Brongd.

10 V71 - Complete. P.B.

5 V106 - Bracket - Brongd.

10 V6 - Pendant "

10 V21 - " "

12
30
40

25	"V68 - Brnzgd, with socket, complete.
2	"V78 - Wk. P.B.
10	"5 - Pendant, 1W. Brnzgd.
5	Hand Lamps *130 - P.B.
20	Brookels *69, Brnzgd.
2	Electrolux "770 - P.B. - 4 ek
50	Key sockets, P.B.
25	" " Plain.
25	Wk Key sockets, P.B.
10	" " Plain.
50	Shade Holders, "701, P.B.
50	Porcelain Shades, 10 in. flat.
6	Switches "710, Plain.
6	" " "712 "

Wire, etc.

100	lbs. *10 asbestos.
50	" *10 paragon.
50	" *12 asbestos.
50	" *14 "
50	" *16 "
100	" *18 "
25 50	" 12 paragon.
25 50	" 14 "
25 50	" 16 "
100	" 18 "
20	Ent-ants *960.
60 55	Assorted Plugs for do.
100	Ent-ants *945.

- 300 Assorted Plugs for same.
 25 Cut-outs "R2, north bronzed caps.
 1000 Blasts, small. 500 large.
 50 lb. Tape. 10 lb. assorted staples.
 20 lb. solder. 1 Gallon Yagu's soldering salts.
 10 Gross screws, assorted sizes.

Naked copper wire for mains & feeders.
 glass insulators & pegs for same, main
 safety leads, etc., etc.

- ✓ 1 Set Livianian Tools.
 ✓ 50 lb. waste.
 ✓ 10 Gallons Cylinder Oil (Vacuum)
 ✓ 20 " " " "
 ✓ 500 Lamps, 10 candle.
 ✓ 50 " 16 "
 ✓ 10 " 32 "
 ✓ 5 " 50 "
 ✓ 5 " 100 ") 12 1/2 1/2

Freight, Packing, etc.

Santiago, Chile,
April 22, 1884

Mr. T. A. Edison,

Dear Sir:- I find it quite impossible to arrange any means of cabling money either to New York or London. The only course open is to remit by mail a Bill of Exchange on London at 90 days, adding 6% interest for that time. You can discount the Bill in New York without much or any loss. In a very short time I shall be able to leave a certain sum with you on deposit to my credit to cover orders as cabled.

£200.

~~£170~~

I send herewith First of Exchange for ~~£170~~ ~~£178~~ to pay for order cabled this date and other sums as per mem. herewith, I will remit regularly for future orders.

Yours Truly,
Wm. Stewart.

Chile Order #1.

Cabled April 22, 1884, "Edison New York
Transgress cash mailed Stewart."

✓ 1 "R" Dynamo, 50 lb. (cost \$250 + 25% to
Parrot Co. = \$312.50 + Edison profit = \$462.50

1 Resistance Box.

✓ 8 Extra Brushes.

✓ 75 Lamps, 16-candle.

1 " 50 "

1 " 100 "

Wire:

50 lb. #8; 25 lb. #10; 25 lb. #12; 15 lb.
#14; 50 lb. #16; 50 lb. #18.

Cut-Outs:

20 #945; 6 #184; (bronged caps); 4 #965;
1 #960.

Plugs:

20 3-ct; 20 6-ct; 4 12-ct; 4 25-ct; 4 50-ct.

1 to fit #960; 1 attaching plug.

4 lb. Tape; 5 lb. Staples.

✓ 100 Large Screws; 800 small.

✓ 20 Porcelain Insulators, small.

✓ 6 Plain Switches #208; 2 do. #210; 2 do. #212.

✓ 2 Stand Sockets #185, bronged, plain Key
sockets, 15 ft. wooden cord each, 2
receptacles & plugs.

- ✓ 1 Table Portable #120, P.B. with decorated shade #198, wire shade holder, 15 ft. silk cord, receptacle & plug.
- ✓ 40 Side Bracket Flanges 3/8 #V63, bronzed, plain key sockets.
- ✓ 10 Suspended Fixtures #V71, P.B. complete with key sockets.
- ✓ 20 Key sockets #2, P.B. 1/8.
- ✓ 20 Brass Nuzzles 1/8 to 3/8.
- ✓ 20 Ceiling Flanges bronzed #79, 3/8.
- ✓ 1 Spring Bracket #V41 bronzed.
- ✓ 10 Nickel Shades #V31.
- ✓ 2 Electroliers #V2 bronzed, complete.
- ✓ 1 " V37 P.B.
- ✓ 20 Shade Holders #201 P.B.
- ✓ 2 dozen Porcelain Shades #198, flat, 10 in.

Mark -

W.N.S.

Valparaiso, Chili.

(3) Insure all goods, clear at Custom House, send 1 Bill of Lading to me at Santiago & one to J. P.S.N. Co., Valparaiso.

Detailed Invoice by mail, in duplicate.

Supplementary

Bill Order #2.

mailed April 22, 1884.

- 200 feet woven conducting cable.
- 100 " silk " "
- 10 Plugs, connecting #4.
- 20 Receptacles, "3.
- 25 Main cut-outs #965.
- 100 ~~assorted~~ Plugs for same, 12 to 50 lights.
- 50 Cut-outs #935. Branch.
- 200 Plugs for same, assorted, 34: to 20 et
- 100 lbs. Asbestos Wire #10.
- 50 " " " #14.
- 50 " " " #16.
- 50 " " " #18.
- 50 " Insulating Tape.
- 50 " " Compound, small tin.

Mark

W.N.S.

5

Valparaiso, Chile.

Incase, clear at Customs House, send me one
bill of lading to Santiago, another to
"P.S.N.C.", Valparaiso, & furnish duplicate
invoices.

Form No. 1.

CABLE MESSAGE. **THE WESTERN UNION TELEGRAPH COMPANY.**

ALL CABLE MESSAGES, involving the transmission of money, must be written on the Message Blank provided by this Company, and must not subject to any conditions printed hereon, and of the local laws, which conditions have been agreed to by the sender of the following message.

THOS. T. COCKEY, General Manager.

MORRIS GREEN, President.

PAID BY	RECEIVED BY	CHECK
347	Mr. G. L. Santiago	
Received at 157 Gray St. April 23, 1882.		
To Edison, New York		
This A. Edison		
Orange, N.J., cash mailed		
Maj E Stewart		
1st results, - about \$1000, or der		

11. Warranties. The Company warrants that the information contained in this prospectus is true and correct in all material respects, and that the Company has not omitted any material fact that would make the information contained in this prospectus misleading. The Company also warrants that the information contained in this prospectus is not false or misleading in any material respect. The Company's obligation under this warranty is limited to the information contained in this prospectus and does not extend to any other information or to any other securities of the Company.

Santiago, Chile,
April 23, 1884

Mr. F. A. Edison,

Dear Sir:- I have been able to make a contract for lighting the old Teatro Variedades, where our exhibition in Santiago was made, using current from an station here. I put in 250 16 candle lamps, entirely supplanting gas, with regulating devices, &c. for scenic effects. The effect is splendid & as a result I am already at work on plans & estimates for three large theatres & am pretty sure to get them.

I write Maj. Eaton about the condition of affairs regarding this Co. Kersdall & Co do not dare to close the business & will eventually accept my terms of settlement. In the meantime I shall get plenty of isolated & village work, some of which will be very large jobs.

Yours Truly,
Wm. C. Farnham

ack by
2012

Santiago, May 8,
1884.

Mr. Thomas A. Edison.

Dear Sir:- On all future invoices, please send me three copies with machines, etc., etc., charged at shop or cost prices, so that I may not have to pay Customs duties on your royalty & that of the Co. At the same time send, in a separate envelope, a statement covering all commissions & charges, with due credit for all sums received from me.

We still live. Mr. Clark is the happy father of a fine boy, which he has duly christened

Thomas A. Edison Clark.

Still striving in every way to keep the business going.

I remain,

Yours Truly,
Wm. L. Sullivan

Santiago, Chile,
May 8, 1884.

Mr. Thomas A. Edison.

Dear Sir:- I send herewith plan, specifications and cable wires for plant at Viña del Mar, which is to consist of 400 16 candle lamps, with a building large enough to double the plant when required. This is necessary, as the place is growing rapidly, being the suburban residence of the Valparaíso merchants. We can raise from \$11,000 to \$15,000 gold if necessary, exclusive of fixtures, which will be ordered by mail at an early date if the Co. is formed; it is very sure that this will be done, as the light is well known from our former exhibition.

The Hotel will have 200 lamps of which 100 burn every night at one time. It is therefore best to have the station located near that building, as indicated on the plan at the point marked "Proposed location." If Mr. Mott

is not already getting posted on Village work, please let him start, or if not him, someone else! I will cable as soon as I need him!

A good plant at Villa del Mar will greatly aid us in Valparaiso, where I am making great progress. The canvass and map is now being made, & I think a 2000-light station can be easily managed.

I am working hard for an isolated job in the church of the Recoleta Dominica, the finest in South America. They have plenty of water power and plenty of cash. I will spend at least \$20,000 gold if they get started. The marble columns in this church were imported from Italy at a cost of more than \$150,000 gold. 300 or more lamps will be needed.

Yours Truly,
Wm. Stewart

Specifications for Edison
Electric Light Station,
Vina del Mar, Chile.

- ✓ 2 "P" Dynamos & 1 dozen extra brushes
- ✓ 2 Regulators for Dynamos
- ✓ Pressure Indicators & Regulators
- ✓ 1 An & S. Engine, $8\frac{1}{2} \times 10$.
- ✓ Iron bed plate, bolts, &c., for same.
- ✓ 1 B. & W. Boiler, 120 lbs. Pressure.
- ✓ Duplicate "pop" safety valve, set at 120.
- ✓ Dean Pump, & ^{injection} Injector & Feed
- ✓ Water Heater.
- ✓ Steam Pipe, Valves, water & exhaust pipe.
- ✓ Belling & Lacing.
- ✓ Oil Cabinet, tray & oilers.
- ✓ Speed Indicator; ~~and~~ rise; 1 doz. assorted
files & handles; assorted wrenches; hand
hammer; $\frac{1}{2}$ doz. cold chisels; scrapers;
4 screwdrivers, assorted sizes. 1 set line-
man's tools.
- ✓ Bank of 200 test lamps, with cord &
wiring; all regulators.
- ✓ 25 meters, 6-11', complete. 10
- ✓ 10 " 12 " " 20
- ✓ 6 " 25 " " 40
- ✓ Extra Plates, covers, bottles & rubbers.
- ✓ Balance, scale, thermometer, hydrometer, 14
one-gallon bottles, 7 graduated bottles,
8 liter bottles.

20	lb. Zinc Sulphate.	
5	" distilled Mercury.	
1 lb.	Chemicals.	
4	lb. Mann's Glue.	
	Sealing Putty 9 250 lbs.	
	Wire and Insulators as per Plan, to cover the <u>entire</u> district, main safety catches etc.	
100	Wardens' Pipes.	
100	lb. Asbestos Wire, #10.	
50	" " " " #12	
50	" " " " #14	
50	" " " " #16	
100	" " " " #18	
20	Ant-cats, #260.	
50	Assorted Plugs for same.	
100	Ant-cats #260.	
300	Assorted Plugs for same.	
25	Ant-cats #184, bronze caps.	
500 400	small cleats.	
200	large "	
25	lb. Taper.	
6	Gals. assorted saws.	
25	lb. Cotton Waste.	
6 \$	Gallons Vacuum Cylinder Oil.	
12	" " Machine "	
400	Lamps, 10-candle.	
25	" " 16 "	
10	" " 32 "	
5	" " 50 "	

(3).

10 Plain Switches "208-
5 " " 210.
5 " " 212.
50 Plain Key sockets.
50 " Receptacles.
500 lb. Insulated service wire, from mains to houses.
Other fixtures in second order.
Send no material not specified.

Cable Key.

Ultra-	Cost of above plant will not exceed \$5000.
Umbrage-	" " " " " " 3500.
Umpire-	" " " " " " 4000.
Umbid-	" " " " " " 4500.
Umbolt-	" " " " " " 5000.
Umborn-	" " " " " " 5500.
Umbrian-	" " " " " " 6000.
Umbaunt-	" " " " " " 6500.
Umbme-	" " " " " " 7000.

3 Estimate is for cost of plant,
F.O.B. in N.Y., without adding any
percentages, no cost of erection.

Expunge above words from Cable book

If estimate is accepted & contract closed, I will send the following words which should also be expunged from book:

Unders - Strip Vira del alar plant as per my specifications & your estimate.

Unfed - Send Wirt or other competent electrician, advancing his passage money and \$150 in salary, as per my letters. Draft for total amount already mailed.

Form No. 2

CABLE MESSAGE. **THE WESTERN UNION TELEGRAPH COMPANY.**

ALL CABLE MESSAGES received for transmission must be written on the Message Blanks provided by this Company for that purpose, and not subject to the conditions printed thereon, nor on the back hereof, which conditions have been agreed to by the sender of the following message.

THOS. T. ROCKERT, General Manager.

NORVIN GREEN, President.

FROM	TO	RECEIVED BY	CHARGE
426	3 Santiago		
Received at <i>84 Broadway</i> <i>May 9 1882</i>			
<i>to</i> <i>Edison New York</i>			
<i>of some</i>			
<i>Tramp</i>			
<i>Another order from Stewart</i>			
<i>E</i>			

Cushy 2073

Santiago, May 9,
1884.

Mr. Thomas A. Edison,
New York.

Dear Sir:- Mr. B. Vicuña Mackenna returned to this city this week, and invited me to breakfast with him. I presented your photograph and letter, ~~at~~ with which he was extremely pleased. He wishes me to say in answer that "He would rather receive this letter from you than to receive the Order of the Garter from the Queen of England."

You will now have to go him one better on the Taffy question.

I remain,

Yours Truly,
Wm. Stewart.

packed by 7/14

Bill Order #4.

Cabled May 9, 1884. "Tramp"
Translation. "Ship one outfit A
with double quantity of wire.

1	9" dynamo, 25-ct. shop price ✓	#178.
	Royalty to Edison Co. - - - - -	43.75
	Edison's profit - - - - -	105.
		\$223.75
✓ 1	Resistance Box. ✓	
✓	Wire: 50 ²⁵ / _{lb.} #8; 80 lb. #10; 50 lb. #16;	
✓	50 lb. #18.	
✓	Cut-outs: 5 #184, bronzed caps; 10 #945;	
✓	3 #965; 1 #960.	
✓ 50	Lamps 10-candle, 102 volts.	
✓	Plugs: 20 3-ct.; 12 6-ct.; 4 12-ct.; 4	
✓	large size 25-ct.; 1 attaching.	
✓ 50	large cleats; 400 small.	
✓ 4	lb. Tape; 5 lb. assorted staples.	
✓ 2	Stand Sockets #138, 15 ft. each wooden	
✓	rod, plugs & receptacles.	
✓ 25	Side Bracket Flanges, 3/4" #763, bronzed,	
	with plain key sockets.	
✓ 8	Suspended Fixtures #771, complete.	
	plain key sockets.	
✓ 10	Key Sockets #2, P.B., 1/8.	
✓ 10	Brass Nipples 1/4 x 3/8.	

- ✓ 1 Swing Bracket "V41. Bronged.
- ✓ 10 Slide Shades "V31.
- ✓ 1 Electrolis "V2. Bronged.
- ✓ 1 " "V37. P.B. 2-ct.
- ✓ 10 Slide Holders, P.B. "201.
- ✓ 1 doz. Porcelain Shades "195. 10 in. flat.
- ✓ 4 Extra dynamo brushes.

Bill of Exchange for £114 mailed
with this order.

Ship to Valparaiso, Chile, with dupli-
cate Invoices giving ship price of
machine. Send private account
including all royalties.

Mark

W.N.S.

[W]

Valparaiso.

Chile.

Machine for Luis Williams,
Talca flour mill & house.



Santiago, Chile.

May 20th 1884

Thomas A. Edison Esq.
New York, U. S. A.

Dear Sir,

I send herewith
Plans and Specifications of the
City of "Quillota".

Please use cable codes
same as sent you in my
letter of April 20th for Killan.

Yours Truly
W. N. Stewart,
for C.

Quillota, (Chile).

500-2-8

Estimates should include the following items:

- ✓✓ B & W Boiler, without setting, materials or bottom foundation, or hearth.
- ✓✓ Pump.
- ✓✓ Lifting Injector.
- ✓✓ Motor without foundation, &c.
- ✓✓ Stack, gaging, estimated upon hire.
- ✓✓ A. & S. Engine, foundation cap, washers, bolts & pipes. Without erection.
- ✓ 2 Dynamos.
- ✓ 2 Belts.
- ✓✓ 1 Hot Oil can & tray.
- ✓✓ Oil cabinet.
- ✓✓ Minute Glass & Speed Indicator.
- ✓✓✓✓ Pipe, files, wrenches, hammers, cold chisels, scrapers, screw drivers.
- ✓ Steam & exhaust pipe, valves, &c. for 5000 lb. plant same as plan #100, & for 6000 lb. plant of similar arrangement.
- ✓ No covering for steam pipe, use a native article here costing little.
- ✓✓ Sand of hot lamps.
- ✓✓ Regulators.
- ✓✓ Ampere Indicators, feeder switches &c.
- ✓✓ Equalizers, &c, &c.

(2).

Meters

- ✓ X 50 for six lights.
- ✓ X 20 " twelve "
- ✓ X 8 " twenty five "
- ✓ X Extra plates, corky bottles, & Riggers.
- ✓ X Balance Scale, thermometer, hydrometer.
- ✓ X 4 Bottles, 1 Gallon; 2 graduated 8 liter bottles.
- ✓ X 20 lbs Zinc Sulphate.
- ✓ X 10 " Distilled Mercury.
- ✓ X 4 oz Marine Glue.
- ✓ X Sealing tool & soo seals.
- ✓ X Other chemicals.

(Send no meter materials other than
above named.)

Instances.

- ✓ 10 # V2 - 2 lt. Branded
- ✓ 10 # V7. Bracket "
- ✓ 10 # V1. 2 lt. "
- ✓ 10 Keys # 208.
- ✓ 2 # V38. 2 lt. Pol. Brass.
- ✓ 2 # V36. 2 " " "
- ✓ 2 # V37. 2 " " "
- ✓ 10 # V41. Bracket Branded
- ✓ 10 # V71. Complete P. 13.
- ✓ 5 # V106. Bracket Branded.
- ✓ 10 # V6. Pendant "
- ✓ 10 # V21. " "
- ✓ 25 # V63. Branded with socket, complete.
- ✓ 2 # V78. 3 lt. P. 13.
- ✓ 10 # 5. Pendant, 1 lt. Branded.

- ✓ 5 Hand Lamps, #130. P. B.
- ✓ 20 Brackets #69. Branded.
- ✓ 2 Electricians #770 - P. B. H. Light.
- ✓ 50 Key Hooks P. B.
- ✓ 25 " " Plain
- ✓ 25 No Key " P. B.
- ✓ 10 " " " Plain.
- ✓ 50 Shade Holders, #201. P. B.
- ✓ 50 Porcelain Shades, 10 in flat.
- ✓ 6 Switches #210. Plain.
- ✓ 6 " #212. "

Nails &c.

- ✓ 100 lbs #10 Asbestos.
- ✓ 50 " #10 Paragon.
- ✓ 50 " #12 Asbestos.
- ✓ 50 " #14 "
- ✓ 50 " #16 "
- ✓ 100 " #18 "
- ✓ 25 " #12 Paragon
- ✓ 25 " #14 "
- ✓ 25 " #16 "
- ✓ 100 " #18 "
- ✓ 20 Cut Outs #960.
- ✓ 50 Assorted Plugs for do.
- ✓ 100 Cut Outs #945.
- ✓ 300 Assorted Plugs for same.
- ✓ 25 Cut Outs #984 with bronzed caps.
- ✓ 1000 Screws small.
- ✓ 500 " large.

(14)

- ✓ 50 lbs Tape
- ✓ 10 " Assorted Staples
- ✓ 20 " Solder
- nif 1 Gallon Jagers' Soldering Salts
- ✓ 10 Cross Screws Assorted sizes
- ✓ { Naked copper wire for mains & feeders,
glass insulators & pegs for same,
Main safety leads, &c, &c, —
- ✓ ✓ 1 Spt Sengman's tools
- ✓ 50 lbs Paste
- ✓ 10 Gallons Cylinder Oil (Vacuum)
- ✓ 20 " Machine " "
- ✓ 500 Lamps 10 candle
- ✓ 50 " 16 "
- ✓ 10 " 32 "
- ✓ 5 " 50 "
- ✓ 5 " 100 "

Freight, Packing, &c.

President, Eaton's mem. on letter from Stewart, Santiago,
dated April 9th. 1884.

(1) The stockholders of the Santiago company, including Kendall, have consented to let Stewart run the Santiago station for 6 months, Stewart himself to pay all the expenses.

(2) Stewart expects that within said 6 months he can pay a dividend. But he says he must also face a loss of from one thousand to three thousand dollars. He asks us to pay this whole three thousand dollars or whatever smaller loss may be necessary to keep the station running for the six months, if the receipts do not equal the expenses. He says distinctly that he will "make it pay dividends", but he also asks us "to pay \$3,000 or so much of that sum as may be necessary". I cannot reconcile the paying of the dividend with the provision for raising money to make up the deficiency. This is not clear to me. Probably what he means is that he hopes to pay a dividend, but that if he does not succeed in doing so, and runs behind, he wants us to step in the gap to the extent of not more than \$3000.

He proposed within the 6 months to organize "a large company". Whether that company is to include Santiago alone, or include the whole of Chili except Santiago (which was the Ovalli contract) is not clear. My guess is that it means the whole of Chili, including Santiago and everything.

(4) The terms to be paid us by said large company are no good as the Ovalli contract. Ovalli was to pay us, on

the original capital, 20 percent in stock and 10 percent in cash. Stewart's proposed company offer 25 percent stock and 5 percent cash. As regards the lamp royalty (5 cents) and the original capital (one million dollars) they are the same in both cases.

Stewart further says that he will give us 10 percent on all increases of capital and 10 percent on the capital of all local companies. Whether this is to be paid in cash or stock, he fails to say. In the Ovalli contract we were to have, in case the capital of the parent Chili company were increased, 10 percent in cash of the increase plus 10 percent in stock of the increase, being 20 percent in all. But Stewart offers us only 10 percent, and does not say whether it is to be cash or stock. Regarding licensee companies, the Ovalli contract gives us 10 percent both of the original and all increases, the same to be paid either in stock or cash as we may elect. Possibly this is what Stewart means with reference to this new proposition, but he fails to express himself on this point.

In the Ovalli contract, we consented to allow bonds to be issued provided 20 percentum (that was the amount we were to receive also in stock), were paid us. Stewart proposes to pay us 25 per cent in stock, consequently we must change the conditions of our consent touching the bonded indebtedness, and require 25 percent to be paid us.

(5) Stewart says that Kendall & Co. are to surrender commissions due them from us and relinquish all control of the business. He states in his letter that the plan "is approved

by all in interest". Whether he means by that that Kendall & Co. approve it, is not clear.

(6) I judge from Stewart's letter that he is to pay 6 per cent interest as rent upon the cost of the central station building in Santiago ^{that} (\$94,000); and that ^{is} to go into the running expenses. Also that the stockholders themselves will pay Kendall 6 percent interest upon such other sums as may be due his firm; also that the stockholders will receive shares in the new company in return for their present holdings. It is not clear how the stockholders are to be repaid the money they advance to pay this 6 percent interest, nor how Kendall & Co. are finally to be settled with. Is stock to be issued to the stockholders for the money to pay this 6 percent? As regards the attitude of the Santiago company to Kendall, is stock in the new company to be issued to Kendall for that, or is he to be paid in cash out of the proceeds of sale of stock in the new company? Stewart is not clear on this, nor does he state whether Kendall & Co. have consented.

Stewart asks in his letter that a cable may be sent him stating whether or not we approve his plan. It seems ^{to} me that the plan is not sufficiently definite for us to commit ourselves by cable. I suggest that a copy of this mem. be sent Stewart and that when we receive his reply to it, we then decide whether or not to give our consent to the proposed company.

May 21st. 1894.



Santiago, Chile,
May 23, 1884.

Mr. T. A. Edison,
New York.

Dr. Sir:- I send you
by this mail plans of Buñica &
Zuñilota, two small towns where
light is needed.

You will observe that only a small
number of lamps are indicated on
the plans, & that dividends can
hardly be expected. But it must
be remembered that we get a
large price for light in those
towns where coal and operating ex-
penses are much less than in
Santiago.

Please cable me estimates on
these plants, & if I figure out a
fair profit I will close contracts.
Some small towns can be run as
isolated plants & so sold, especially
where water power is present.

Yours Truly,
W. N. Stewart.



Specifications for Edison Electric Light Station, Quireco, Chile.

- T
- +X 2 "5" Dynamos & 1 dozen extra brushes.
 - +X 2 Regulators for Dynamos.
 - +X 4 Pressure Indicators & Regulators.
 - +X 1 3/4 H.P. Engine, 8 1/2 x 10.
 - +X Iron bed plate, bolts, &c. for same.
 - +X 1 R.N. Boiler, 120 lbs. Pressure.
 - +X Duplicate "pop" safety valve, set at 120.
 - +X Dean Pump, Friedmann Lifting Injector.
 - +X Cold Water Seater.
 - +X Steam Pipe, valves, water & exhaust pipe.
 - +X Fitting & Lacing.
 - +X Oil Cabinet, tray & oilers.
 - +X Speed Indicator, rise; 1 doz. assorted files & handies, assorted wrenches, hand hammers, 1/2 doz. Cold Chisels, Scrapers;
 - +X 4 Screw drivers, assorted sizes.
 - +X 1 set Sizing tools.
 - +X 200 test lamps, with board & wiring; all regulators. XXX
 - +X 25 Motors, 6-lt. complete.
 - +X 10 " 12 1/2 " "
 - +X 6 " 25 " "
 - +X Extra Plates, Corks, bottles & rubbers.
 - +X Balances, Scale, thermometer, hydrometer.
 - +X one-gallon bottles, 2 graduated bottles.



- 8 Siter bottles,
 20 lbs Zinc Sulphate.
 5 " distilled Mercury.
 " Chemicals.
 4 oz Marine Glue.
 3 Sealing tool & 250 seals.
 Wire and Insulators as per Plans
 to cover the entire district, main safety
 catches, etc.
 100 Window tubes.
 100 lbs Asbestos Wire #10.
 50 " " " 12.
 50 " " " " 14.
 50 " " " " 16.
 100 " " " " 18.
 20 Cut-outs #960.
 50 Assorted Plugs for same.
 100 Cut-outs #945.
 300 Assorted Plugs for same.
 25 Cut-outs #984. Bronze caps.
 500 Small Belts.
 200 Sarge " "
 25 lbs Tape.
 6 gross Assorted Screws.
 25 lbs Cotton Waste.
 6 Gallons Vacuum Cylinder Oil.
 12 " " Machine "
 400 Samps 10-candle, 50
 25 " 16 " 50
 10 " 32 " 75

(3.)

- ✓ 5 Lamps, 50-candle,
- ✓ 10 Plain Switches # 208.
- ✓ 5 " " # 210.
- ✓ 5 " " # 212.
- ✓ 50 Plain Key Sockets.
- ✓ 50 Receptacles.
- ✓ 500 lbs Insulated Service Wire, from main
to houses.



Use Cable Key, same as for Tina
del Mar, mailed in my letter of
May 9th 1884.

✓ Estimate is for cost of plant,
S. O. B. in N. Y. without adding any
percentages, nor cost of erection.



Santiago, Chile,
May 25, 1884.

Mr. T. A. Edison

New York.

Dr. Sir: While waiting cable advices from Maj. Eaton regarding the future of this Central Station, I have arranged with Kendall & Co. to keep the plant running, as it is now earning its expenses, Mr. Watus having added 400 more lamps with capacity for still more. As it is sure that we shall not be obliged to stop owing to the great interest now felt in our business and demand for more light, I wish to personally order something absolutely needed here in order that we may get full work out of our machines, viz., Ampere Indicators.

I need

7 Ampere Indicators for K dynamo,
indicating up to 300 - 16 candle lamps.

5 Rider Indicators up to 500.

All of the latest approved pattern,
sent to me by fast freight or

(2)
parcel freight (Pacific Mail S.S.)
and accompanied by full instructions
for setting up & operating, &
very carefully packed.
as we are poor here & this is one
of the means whereby I propose
to save this station & ensure
its more economical operation.
you will greatly oblige by send-
ing them to me at cost
price, & charging to my personal
account.

By next mail & send a draft
to cover this and further orders.

Mark

W.N.S.

[A]

Valparaiso, Chile.

Duplicate bills of lading & invoices
to Santiago. Insure & clear at custom
house.

Yours Truly,
W.N.S. ~~Stanley~~

W. N. Stewart,

Dear Sir:-

I have your favor of the 23rd. May with relation to the running of the Santiago station.

[ATTACHMENT]

In it you ask for seven ampere indicators for "K" dynamos indicating up to 300 sixteen candle lamps, which would be about 400 amperes, and five ^{feeder} indicators up to 500 lamps.

Now the "K" dynamos, which you have, cannot carry much above 200 amperes, therefore I cannot understand why you require indicators which will indicate 400 amperes. X

The feeder indicators indicate volts and not amperes. Furthermore I do not understand why you require five indicators, when you only have two feeders, and inasmuch as you are only using the two wire system, I cannot see how it is possible for you to require more than two feeder indicators. Furthermore I am not at all sure whether you want feeder indicators or feeder regulators. That is whether you want to indicate the pressure, or whether you want to keep it at its normal ^{by pressure regulators}.

If you want to indicate the pressure, your indications will be of little use, unless you can also regulate it, and if you want to regulate the pressure you will be unable to do this, unless ~~the~~ ~~you~~ have a feeder indicators or something to take their place. What I think you require is two feeder indicators and one feeder regulator or equalizer.

The reason you only require one feeder regulator is that you get your normal pressure on one feeder and then throw in resistance or take it out to equalize the pressure on the second feeder with the pressure on the first feeder, which you keep normal ^{as above stated}.

*He may want the 7 ampere indicators
also to see how load comes from
each separate dynamo*

If after these explanations you still desire me to fill your order for seven ampere indicators and five feeder indicators, please telegraph me the word "Ampere." If you desire seven ampere indicators, two feeder indicators and one feeder regulator, please telegraph me the word "Indicator." If you require ~~one~~ ^{five} ampere indicators, two feeder indicators and one ~~pressure~~ ^{feeder} regulator, please telegraph me the word "Regulator." These telegrams can be sent without any signature.

[ATTACHMENT]

Awaiting your further advances in this matter, I remain,

"Indicator & Regulator"
are the same because
a pressure regulator
is also a feeder
regulator -
Supposing of course he
has all the Res boxes
to regulate the
machine feed
magnets he wants
Evidently you don't
want to send
the last (12)
"Regulator"



San Diego, Calif.
May 25, 1883

Mr. T. A. Edison,
New York

Dr. Sir:- The great success of my installation at the small station here has led to a resolution on the part of the city to light the Municipal Opera House with 1500 10-candle lamps, 100 of which burn at once. I am now treating with a committee of city fathers, and shall close the deal very soon. In the meantime if there are any new devices or articles for stations now in use, you will oblige me by sending drawings, descriptions & prices.

Yours Truly,
W. H. Bradley,
San Diego



Santiago Chile

May 3rd 1884

William A Harris Esq.

Providence, R. I. U. S. A.

Dear Sir,

Please favor me by
mail with one copy "Engineer and
Steam Users Manual" by Will McE.
And send bill for same to Mr Thomas
A. Edison #65 Fifth Avenue New York,
accompanied with this letter.

Very Oblige

Yours Truly

W. N. Stewart.

for
Representante de T. A. Edison.
Santiago Chile.

6/28/84

Major Eaton,

We have this morning received our first canvass from Stewart for a village plant. It is for the town of Chillan, about 15 miles from Valparaiso, and has a population of about 22,000. Stewart fully expects to close a contract as soon as we send the estimates on. He also speaks of another canvass he is making at Vina del Mar, where he has about half the capital already subscribed, and says that the maps will come forward by the next mail.

S. Insull,

May 28th, 1884.

per G.

Santiago, Chile
May 30, 1884.

Mr. T. A. Edison,
New York.

Dear Sir - I enclose
herewith Fluid of Exchange for £114.
First and Second already forwarded.

I cable an order to-morrow for 300
light dynamos, $8\frac{1}{2} \times 10$ engine, and
450 ft. tube #3, two wire, not galvanized,
with straight boxes, all for Santiago
Central Station, to increase capacity.
When this is done the large increase
of revenue will help the whole business.
If this station closes, I lose all isolated
village work in Chile without fail,
and I hope you will aid me
in keeping it going, so that we
all gain. Better, I shall from the
large Co. for very heavy capital when
I get ready, I not like.

Yours Truly,
M. W. Stewart

Order #5.

Cabled May 31, 1884.

"Tragedy ship magnet mining
ankle number three tube not
galvanized straight connections
avoid."

Translation: Can arrange matters here
so that present station will continue
in operation. Particulars of proposed
new arrangement sent by mail.
Ship one 300-light dynamo with
resistance box, 1 A.C.S. engine 8x10,
450 ft. number three electric cable,
2 wire system, not galvanized with
straight connections. This order
must be filled in limited time;
hurry shipment of goods."

This order is for Santiago Central Station
to serve the leading city club &
two daily newspaper offices. They
consume light equal to 6000
to 7000 per year. I explain my
arrangement with Kendall & Co.
in another letter, this order only
confirming my cable. For the
Central Station we pay cost
prices, as follows:

(2)

Resistance Box - (net)

20.

Dynamometer 300-lb. - \$1075.-

A. S. Engine 8 1/2 x 10 850.

150 ft. tube "S" 85 ft. more less 382.50

Straight bars & couplings, - " 100.

Packing & carting 100.

Net - - \$2527.50

City draft enclosed herewith is to cover this and other orders.

We have ample boiler power for this plant.

If paid is in excess of above estimate, I will cover the amount by another draft.

Yours Truly,
W. K. Lawrence.

C.B. - All Invoices at cost prices to save me duties.

Order # 6.

Dated June 5th, 1884, "Trampl."

- | | | |
|------|---|----------------|
| ✓ 1 | 9" Dynamo, 25- <u>lt.</u> , shop price | "175.- |
| | Rentalty to Edison Co. | 45.75 |
| | Edison's profit | 105.- |
| | | <u>"325.75</u> |
| ✓ 1 | Resistance Box. | |
| ✓ | Wire: 50 lb. #8; 50 lb. #10; 50 lb. #16; | |
| ✓ | 50 lb. #18. | |
| ✓ | Cut-outs: 5 #184, bronze caps; 10 #945; | |
| ✓ | 3 #965; 1 #960. | |
| 50 | Lamps 10-candle, 112 volts. | |
| ✓ | Plugs: 20 3- <u>lt.</u> ; 12 6- <u>lt.</u> ; 4 12- <u>lt.</u> ; | |
| ✓ | 4 large size 25- <u>lt.</u> ; 1 attaching | |
| ✓ 50 | large cleats; 400 small. | |
| ✓ 4 | lb. Tape; 5 lb. assorted staples. | |
| ✓ 2 | Stand Sockets #135, 15 ft. each | |
| ✓ | Woolen cord, plugs & receptacles. | |
| ✓ 25 | side Bracket Flanges, 3/8", #965, | |
| | bronzed, with plain key sockets. | |
| ✓ 8 | Suspended Fixtures, 7" V 71, complete, | |
| | plain key sockets. | |
| ✓ 10 | key sockets #2, P.B., 1/4". | |
| ✓ 10 | Brass Nipples 1/8 X 3/8 | |
| ✓ 1 | Swing Bracket "V 41, bronzed. | |
| ✓ 10 | Nickel Shades "V 31. | |
| ✓ 1 | Electrician "V 2 bronzed. | |

(2)

Electrician #V37, P.B. 2-11.
Shade Moldus P.B. #201.

1 Dg. Porcelain Shades #175, 10 in. flat
4 extra dynamo brushes.

All invoices should be made at
shop cost price, to save me
extra duties.

Duplicate invoices on all orders.

Mark

W.N.S.

Valparaiso,
Chile

[W]

This machine to be located in a
private house in Santiago, property of
Señor Víctor ~~Beltrán~~ Schaubman
Valero.

June 30th 1876 1876-00-8

Mr. Arnold,

Will you please ask Mr. Stewart to send up Chilean charts on tracing cloth if possible; which will not occasion him more work & allow me to take blue prints at once. -

Also request him to write the number of lights in plain figures, not in Roman figures; as he usually does.

Yours very truly
H. Finckh



Santiago, Chile
July 10, 1884

May J. P. Eaton,
Post E. E. L. Co.
Dear Sir,

Your valued favor of May 26th and enclosed memo, regarding my operation of the Santiago Station, is at hand. I run this station because it pays me to do so, and not on account of any consideration for the Edison Electric Light Co. or its Agents.

It is publicly stated by members of the firm of Ed. Wendt & Co. that they have made \$100,000 in Gas speculation through this light. This fact is also well known to the public, who speak of the Company and its Agents in the same terms.

I asked you to help me to rescue the business and save its good name by a slight sacrifice, if such should prove necessary, which you decline. I therefore choose to take all the responsibility myself, as I shall take the profits. I do not propose to organize any Company here nor help to organize

one, it is better as it is. I believe,
with you, that you will gain by delay.
Regarding the present state
of the Santiago Station, I beg to
enclose copy of my letter of this date to
Mr Edison.

Regarding the order for material
sent for on condition that you would
give me six months credit please
ship and I will remit on receipt of
invoiced. With many thanks for
your kind expressions of personal
esteem,

I am
Yours Truly
signed W. N. D. Stewart,



30/10

Santiago

945
August 5th 1886

Thomas A. Edison Esq.,
New York,

Dear Sir:-

Your kind favor No. 32, dated June 30 is at hand and in reply, would beg to state, that we want the seven ampers indicators, one for each machine, that we may know just the quantity of work that each machine is doing, we want the two feeder indicators and the feeder regulator to indicate and equalize the pressure on feeders, hence we sent the telegram yesterday "Indicator Tramp" the word "Indicator" for the indicators and the word "Tramp" for one "G" machine and outfit with a double quantity of wire; Hoping that they were promptly shipped, I remain,

Very Truly Yours

W. N. Stewart.



10/15.

950

Santiago Aug 5th 1884

Thomas A. Edison Esq,
65 Fifth Ave.,
New York,

Dear Sir:-

Your letter #26 dated June 30th at hand, and in reply I would say that the lamps are for use in the Santiago station, and you should therefore send me a credit bill for the royalty; If any of them are used in isolated work I will send you a credit bill for all so used

Very Truly Yours

W. N. Stewart.



10/16

Santiago, Chile,
Aug 18, 1884.

Mr. T. A. Edison,
New York.

Dr. Sir: - I have yours
of June 18, without number, giving
details of cost of Vinta del Mar plant,
and advising me that you will
send model estimates, which will
be useful.

This Company is formed with a
capital of \$25,000 (Chilean currency),
\$22,000 of which is subscribed. The
balance is readily obtainable. All the
legal papers are drawn, a Directory
elected, ground for Central Station
given & poles brought. I only wait
the signing of the papers by all
the stockholders, which must be
done before a certain notary in his
own office. This will take a week.
I then get 50% of the contract
price in cash, when I will make
the formal order. In the mean-
time, I learned in New York that
the Babcock & Wilcox boilers are
made by the Glasgow House



10/16 (2)
at prices 12% under those charged
the states. As *Virginia del Mar*
is my first plant the contract
price is low, & you probably
understand that this work is in
any country somewhat risky.
If you can therefore have the
boiler shipped from Glasgow direct
to Valparaiso, I will save in
first cost and largely in freight,
and get it as quick, with less
handling in transit. It should
be sent to Liverpool, care P.S.
C.V. Co., and marked "W.H.S. Valparaiso,
care P.S.C.V. Co., Liverpool."

The man you propose sending me
for Central Station work should be
ready to sail in 20 days after the
receipt of this letter. Instructions
regarding his voyage will be sent
with the *Virginia del Mar* order.

A man who has some idea of
setting Babcock & Wilcox boilers
is preferable, as I cannot afford
to pay \$350 steamship fares each
way for an expert. Very clear
plans & working directions will
probably enable us to erect these



July 16 (13)

without trouble, but if an expert is absolutely necessary, have a man sent from Glasgow, whom I will pay £3 per week, ~~and~~ second class fare out & back, and traveling & living expenses when outside Santiago, 2 years contract.

I find your statement of division of profits on Vitis del Mar plant satisfactory, except that I think it would be for our mutual advantage that you should name a lower price on fixtures and secure larger sales. It also confuses my work to have different prices for Santiago, isolated and Village work. The lower you can bid me these goods the more business I can do, as even the cheapest cost a great deal after the exchange, duties & multiple exactions of the Custom House.

Yours Truly,
W. N. Stewart.



1879.

9511
Santiago, Chile.
1884.

Mr. T. A. Edison,
New York.

Dear Sir - I have your
favor No. 20, June 19, regarding terms
for Electric Railroad, which I find
satisfactory.

I am working up a plan of a road
to Los Cordes, a mine near Medes
& others. Particulars will soon be
forwarded, & business will be done. If
you get track of anything new in
the matter of conducting current
from dynamos to rails, let me
know about it. The subject of
motors in general is an important
one here, & I suffer from the lack
of a sample motor to show the
application of electric currents.

Yours Truly
W. N. Stewart



Oct 20,

Santiago, Chile,
Aug. 8, 1884.

Mr. F. A. Cowson,
New York.

Dear Sir, - Your favor #22 of June 19th is at hand, with statement of my account, which I find correct. The items of \$100 & \$500 charged to me in New York should hardly be charged to me, as I consider that my labor & expenses incurred in saving the Santiago station, and time lost in New York in trying to arrange the matter, are entitled to some compensation. At the same time, I agree to leave the matter to your decision. It is certain that this station would have been instantly closed but for my arrival; it is equally certain that it will be closed on the day of the expiration of my contract if some new arrangement is not made outside Kendall & Co. It is also true that a breakdown here would ruin the whole business on this coast for the next ten years. Referring

(2)

No 20
to my answer to your favor #25,
I leave the matter entirely in
your hands.

Please send me monthly state-
ments of my account, which I shall
keep as nearly square as possible,
bearing in mind the fact that
I never get more than 25% cash
in advance on my orders, and
often nothing.

You will notice that I send
regular orders for fixtures, etc.,
most of which are on account of
the Santiago Station. I hope these
will be promptly filled & billed
at cost as in isolated work, as
they are an important factor in
building up & sustaining our whole
business.

Yours Truly,
W. H. Stewart





No 21

Santiago, Chile,
Aug 21 1884.

Mr. T. A. Edison,

New York.

Dear Sir:- I am glad to inform you that the President of the Republic yesterday signed a decree authorizing my contract for lighting the Valparaiso Custom House, &c. It is an installation of one 100-lamp dynamo, engine & boiler, street lamps fed by both overhead & underground conductors, &c., & lamps in the office. It is to operate 17 hours daily.

Next week I get 25% cash on the job, when I will confirm the whole order.

The President also asked me to estimate on several other & more important works, & we are sure to get the jobs.

Yours Truly,
W. H. Stewart.

E



Chile Order 746

- 18 Glass Oilus for "G" & "R" dynamos.
- 1 Set each Babbit journal boxes for "G", "R" and "Y" dynamos.
- 25 Brushes for "Y" dynamo.
- 1000 lb. naked Copper wire #6
- 1000 " " " " #10.
- 500 " painted " " #8.
- 500 " " " " #10
- 300 " Paragon " " #18 double conductor
- 500 ft. green silk conducting cord, 2-wire.
- 5 D.S. Brackets #V106, P.B.
- 5 " " " " Bronzed.
- 5 " " " " #561, G.B., no sockets.
- 10 Table Lamps #120, P.B.
- 25 Switches #208, Plain.
- 25 " #210 " "
- 10 Nickel Shades #197.

W.N.S.
Valparaíso,
Chile.



No 22

Santiago, Chile,
Aug. 8, 1884.

Mr. T. A. Edison,
New York.

Dear Sir:- I have
your favor #25 of June 30.

I regret exceedingly that my letters
to Maj. Eaton have involved matters
regarding the Santiago Station. On
the day of my sailing from New
York Maj. Eaton particularly and
earnestly requested me to write
him by every mail regarding this
Station & its progress, and of my
success in keeping it running. On
this account I have regularly sent
him details, & have furnished you
copies of most of my communica-
tions.

Last month Maj. Eaton communicated
to me the Co's. decision not to do
anything for this Station, which I
answered rather sharply, as I felt. I
enclose copy of this letter for your
perusal. I say that under ex-
isting circumstances I shall not
form a Santiago Co., although I



can do so at any time. My care and labor has completely revolutionized this station; we are daily adding new & picked consumers; receipts have doubled; confidence is so well restored that we are lighting places previously closed, including the Banks & private residences of the best men in the city; I am now adding a lot of all-night consumers, & the new dynamo is almost ready. The Government is on our side, & I have earnest and influential partners and assistants. This means that so far as Santiago people are concerned everything is ready for large business. But as Kendall & Co. can make \$200,000 in an hour by closing the station when my contract expires, you may be quite sure that they will do it. Ed. Kendall is now here, angry with the Co. for sending me, angry with you for giving me a contract, angry at his cold reception in New York, angry with me because I plainly expose his trickery here & threaten



him with the penitentiary, & angry because he cannot play the same game in Valparaiso that has been played here. Do you suppose that a man in this frame of mind will earn a dollar for you or the Co.?

I have Valparaiso nearly arranged, & when you get Santiago I will arrange that also. Tell Maj. Eaton that if he wants to save this station he must act at once & firmly. If not, there will be a fine scandal here in December or before.

The materials ordered by Mr. Waters should be sent. I will remit for them on receipt of the bill.

My future communications on this subject will be sent only to you.

Yours Truly,

W. N. Stewart.

(Enclosure.)



Santiago, Aug. 8,
1884.

Sam'l. Inoué, Esq.

Dear Sir:- In answer to
yours of June 5, asking for some
postage stamps, I beg leave to say
that myself and Mr. Clark are
looking up an assortment which
will be forwarded at an early day.
We shall take great pleasure in
executing any further commissions
with which you may favor us.

Can you give me the name
and address of Mr. Edison's
present representatives in Buenos
Ayres? I purpose going over the
Andes to that place next summer
& should like to correspond with
them. I am,

Yours Truly,
Wm. Stewart

Edison Electric Lk. Co. Co.

By royalty on 162 renewal
lamps @ 10¢ each

400

And charge to my account.

Memorandum on renewal lamps.

The question of your royalty on renewal lamps is a mixed one. Lamps do not always come up to guaranteed life; many arrive with carbons broken, & some with ^{lamps} broken. Why not make a fixed sum on all lamps sent in for isolated work, or all used for isolated, leaving me to pay all breakages, failures in guarantee, &c. so that you get a fixed sum clear? I think 10 cents is all I can pay at present, & if you agree to this sum, charge me \$16.00 in addition to above in favor of the E. E. L. Co., or \$52.00 all.

Wm. Stewart.

Santiago, Chile, Sept. 8, 1884.

No 12

Santiago, Chile.
Sept. 8, 1884.

Edison Machine Works,

New York.

Gents:- Your letter of July 31, regarding Valparaiso, came in good time. We shall push this matter to a successful conclusion very soon, aided by the publicity which will be given to my Government contract in that city. The lamp royalty is easy to arrange, on a basis of 10 cents, 5 to the Light Co. & 5 to us.

I have a fine light map of the city ready.

I must have an appendix to my contract, showing briefly that I am authorized to form a Co. for Central Station lighting in Valparaiso, on terms subject to your approval. Have this duly certified by Consul, &c, & sent by next mail.

Yours Truly,
Wm. Stewart

P.S. I bear in mind your caution about letters to B3 C.

Santiago, Chile
Sept. 8, 1884

Mr. T. A. Edison,
New York.

1420

Dear Sir - Your favor "36 July 9,"
is at hand, and contents noted
with pleasure.

The reorganization of your foreign
business under care of the Machine
Works cannot but be a benefit
to all concerned, and I have
no doubt but that our relations
will be as pleasant in the
future as in the past. I
especially congratulate you upon
Mr. B. Athol's return and
connection with the business;
it seems to me that now
the Machine Works will be
unrivaled, and that you may
expect a large increase in
business. I shall endeavor to
keep my end busy, & all pros-
pects are favorable.

Yours Truly,
Wm. Stewart

Santiago, Chile,
Sept. 8, 1884.

Mr. T. A. Edison.

Dear Sir:-

Mr. Nockema has ~~not~~
betrayed brother of his
eccentricities, & had the
letter ~~sent~~ ^{sent} you sent
him ~~photographed~~
I send you the result.

I shall be glad to com=
municate to him a
brief message from you,
thanking him for
the compliment paid.

He assists me very much
in some of my work,
so the good cast upon the
waters duly returns.

Yours Truly,

W. K. Stewart.

142

In this case several of my friends propose to form a small partnership for the purpose of extending & pushing the business, with a capital of \$100,000 American currency, or say 60,000 gold. We then propose to keep an open account at some New York Bank, against which you can draw on presentation of bills of lading. We also propose to keep a small stock of dynamos, engines, fixtures, &c. so as to be always ready for work. What my friend Squire is that our

Existing contract shall be extended for a term of ten years. I think this arrangement a desirable one for all concerned. Peru & Bolivia should also be included, we are anxious to push the business on the whole coast.

Will you try & arrange this, & if successful cable "Arranged." I may also say that the same parties will invest \$60,000 in new machinery & conductors for the Santiago station, so that it may run on a solid basis until times are propitious for forming a large company.

A prompt answer by cable will aid me here.

Yours Truly,
W. V. Stewart.



Chile - Santiago de Chile.

Valparaiso, Nov. 29th 1890.

Thomas A. Edison Esq.
New York.

Dear Sir,

It is with the greatest regret that I address you on this occasion, upon a subject which is anything but agreeable.

You are already aware that Mr Stewart in March last exhibited my expatriation in the Electric Light business, under your system, in Chile.

You must also be aware that I helped Mr Stewart with great order and placed at his disposal my credit, and all the pecuniary resources that were in my power.

The result of this, no small, question for me, and a friend of mine (Mr. Laur) is the following:

A flat denial on the part of Mr Stewart to render me any account or statement of his operations, thus failing to meet his own then compromise, in a dishonorable manner, and a cash loss to me of 9 to \$10,000.

This emergency placed me yesterday in the unavoidable necessity of asking

the judicial authorities of my country to detain M^r Stewart in Santiago, so as to oblige him to fulfil his duty; a few hours after presenting my petition M^r Stewart was notified that he could not absent himself.

Now, before making to the New York ^{Cy.} a duly legalized statement, with the proofs attached, asking for justice, I have considered it my duty out of courtesy and respect to you, to place in your knowledge these facts, which compromise so much the future of the business in this country, and have been so prejudicial to myself.

I do not doubt that you will put a stop to these will, pointing out to me the procedure most in harmony with your interests.

I remain, Dear Sir,

Yours very truly,

Ben. Luján

My address is Prof. Luján, 51, Calle de Chacabuen, - Santiago de Chile.

THOMAS A. EDISON,
Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

New York, _____ 188

2 yrs -
Major
I'm making my Contract
with Stewart I use basis follows
25 pct added to Dynamis paybl light to
Cover Isolated installation

18 per cent added to complete
Central Station outfit 70 B ny
12 pct added for Contractor for Central
Station plants

1 Central station per year
\$15000 worth Isolated by - or you
Can buy Central 3 months notice
as this ok ~~as this~~

THOMAS A. EDISON,

Central Station, Construction Dep't,
No. 65 FIFTH AVENUE,

E. L. -
Foreign - Feb. 7, 1887
South America

Form L. 2000-12-7-83.

New York, _____ 188

Tombstone

Draw up an agreement between

Slacoutert & me, He is to act as an agent
for me to sell Isolated plant - and to form local
Companies to erect plants for Central station
lighting in various parts of Chile Except
the City of Santiago & Valparaiso.
He is not to contract any debts in my
name - all orders received for an Isolated
plant ~~and to~~ or the ~~plant~~ material or
a central station plant are to be paid
for in New York in cash before shipment
as well as the salaries and fares of
agents to Chile in case of a central
station plant, my risk ends at New York
when the goods have been shipped.
I am to allow him \$600 only to get there
he is to have a power of attorney showing that he
is authorized to take orders but such a power that he
cannot be agent make me liable for anything in Chile.
Over

His statement is to get $33\frac{1}{3}$ percent of the
 profit coming to me after the light Co
 is paid and actual Cost of each
 is deducted - ^{F.O.B.} ~~The price of the material~~ ^{Cost}
 to be the same as actual Cost
 being the price charged & paid
 for similar goods by the
 Isolated Co in New York =

5/15/22
 \$82-

Mr. J. M. Johnson
 NO. 22 BROADWAY
 NEW YORK, N. Y.
 THOMAS V. EDISON

Santiago Chile

appendix made?
 minute - got from minute book if
 light Col the right for opinion of
 on V. Oppenheim till Jan
 for a ~~little~~ art rep

Have seen ~~nothing~~ ^{nothing}
our camp ^{camp} ^{reigning}
could see it ²⁹

What it should contain is a plan for the entire system
to be the S. & A. system by right to be Chile, & the
U. S. & A. system, consequently, I have the S. & A. plan,
was given

Quito Tomlinson

Points for letter of instructions to
W. H. Stewart.

Having made a contract with the
C. & L. Co. giving me control of all
isolated work in Chile, & all Central
Station work outside Santiago & Val-
paraiso, you are hereby appointed my
agent for that territory.

Although this contract would
undoubtedly prove very remunerative
to me, yet I greatly desire that
the Santiago station should be
kept in operation if possible,
without prejudice to any interests
involved, and you will first
do your best to secure such a
result, consulting me by mail
or cable as may be necessary.
You will also give such aid as
may be necessary to Messrs.

Ed. Kendall & Co. in any effort
that may be made looking
toward the organization of a
new company to control either
Santiago alone or all Chile.

Recognizing the fact that
the present Central Station
Plant in Santiago is both

Owing to your recent opinion
New

difficult and expensive to operate, you will give the present local Co. the benefit of any advice or suggestions which may tend to make such station a dividend paying one, if so desired by said Co. or its representatives; it being understood that all efforts shall be directed toward the replacing of the present machinery by a plant fully up to the latest improvements, and you are authorized to purchase on my account the present machinery for use in Village or Isolated lighting, whenever you can dispose of the same at its value, the Santiago Co. guaranteeing to replace it by a better arranged plant.

In your efforts to reorganize the present Santiago Co., you may assure my friends in Chile that I will use my best endeavors to aid them with the E. C. L. Co., and that having full confidence in the future of the business in Chile I strongly urge them to unite with you in a partnership.

next arrangement.

In case you are able to reorganize the Co. in Santiago, you will make such studies of the actual situation of the lighting business in that city as shall enable me to furnish a plant suitable for existing needs at the lowest possible price.

Mr. Edison

2 the V.K.

7 at

Bill Mem.

Please ship me

- ✓ 50 Isolated Catalogs.
- ✓ 50 Central Station System. (Nashings)
- ✓ 25 Bulletin #21.
- ✓ Electrotypes of new dynamo, lamp, socket, safety-catch, etc.
- ✓ 2 Blue prints of 500-light station arrangement.

Mark

W. N. S.

Valparaiso.

Invoice

Wick Stewart,

Santiago, Chile.

Prices of Dynamos ^{2nd} Percentage for Chile

Dynamos	Ship Price	25% Profit to 50% Profit	Initial Profit	Exclusive Profit	Stewart's Profit
25 Light	\$ 175.00	\$ 218.75	\$ 175.00	\$ 105.00	\$ 72.00
50 "	\$ 250.00	\$ 312.50	\$ 250.00	\$ 150.00	\$ 100.00
100 "	\$ 400.00	\$ 500.00	\$ 400.00	\$ 240.00	\$ 160.00
200 "	\$ 725.00	\$ 906.25	\$ 725.00	\$ 435.00	\$ 290.00
300 "	\$ 1075.00	\$ 1343.75	\$ 1075.00	\$ 645.00	\$ 430.00
400 "	1510.00	\$ 1875.00	\$ 1500.00	900.00	\$ 600.00

Total Prices to be sent to New York, exclusive of packing
 25 Light \$ 323.75 — 50 Light \$ 462.50 — 100 Light \$ 725.00
 200 Light \$ 1341.25 — 300 Light \$ 1788.75 — 400 Light \$ 2775.00

Prices to be given in Contract
 25 Light \$ 393.95 — 50 Light \$ 562.50 — 100 Light \$ 900.00
 200 Light \$ 1631.25 — 300 Light \$ 2418.75 — 400 Light \$ 3375.00

(1884)

Distribution of Percentage on S.A. contracts to
Light Co. N.A. Stewart & T.A. Hanson
only on Material F.O.B. in City.

500 Light 10cp 2 Leaders.

[illegible]

Substitution of Percentages

(1884)

1000 ft. plant. 2 feet in.

Account	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	29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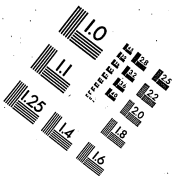
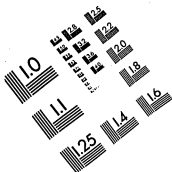
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